

1 AGGGTTGCCC CTAGTTTGAG GCCTGCCCCG TTACCCGCAA GACTTGGGCA
51 GCCCCGGGCG CCGCTCCGAC CACGACAGGG AAAGGAACTG ACCAACACTG
101 GATGAATTTG ACCATTTCTT AGGAGACTGG AATGTTAAGT TTCTATAAAT
151 GAATGAACCA GTTCTCTCTT GTTTGGAGCA ATGCTGAAAT TCCAAGAGGC
201 AGCTAGGTGT GTGAGTGGAT CAACAGCCAT TTCCACTTAT CCAAAGACCT
251 TGATTGCAAG AAGATACGTG CTTCAACAAA AACTTGGCAG TGGAGTTTT
301 GGAAGTGTCT ATCTGGTTTC AGACAAGAAA GCCAAACGAG GAGAGGAATT
351 AAAGTACTT AAGGAAATAT CTGTTGGAGA ACTAAATCCA AATGAACTG
401 TACAGGCCAA TTTGGAAGCC CAACTCCTCT CCAAGCTGGA CCACCCAGCC
451 ATGTCTAAGT TCCATGCAAG TTTTGTGGAG CAAGATAATT TCTGCATTAT
501 CACGGAGTAC TGTGAGGGCC GAGATCTGGA CGATAAAATT CAGGAATATA
551 AACAAGCTGG AAAAATCTTT CCAGAAAATC AAATAATAGA ATGGTTTATC
601 CAGCTGCTGC TGGGAGTTGA CTACATGCAT GAGAGGAGGA TACTTCATCG
651 AGACTTAAAG TCAAAGAATG TATTTCTGAA AAATAATCTC CTTAAATTTG
701 GAGATTTTGG AGTTTCTCGA CTTCTAATGG GATCCTGTGA CCTGGCCACA
751 ACTTTAACTG GAACTCCCCA TTATATGAGT CCTGAGGCTC TGAACACCA
801 AGGCTATGAC ACAAAGTCGG ACATCTGGTC ACTGGCATGC ATTTTGTATG
851 AGATGTGCTG CATGAATCAT GCATTGCTG GCTCCAATTT CTTATCCATT
901 GTTTTAAAAA TTGTGAAGG TGACACACCT TCTCTCCCTG AGAGATATCC
951 AAAAGAACTA AATGCCATCA TGGAAAGCAT GTTGAACAAG AATCCTTCAT
1001 TAAGACCATC TGCTATCGAA ATTTTAAAAA TCCCTTACCT TGATGAGCAG
1051 CTACAGAACC TAATGTGTAG ATATTGAGAA ATGACTCTGG AAGACAAAAA
1101 TTTGGATTGT CAGAAGGAGG CTGCTCATAT AATTAATGCC ATGCAAAAAA
1151 GGATCCACCT GCAGACTCTG AGGGCACTGT CAGAAGTACA GAAAATGACG
1201 CCAAGAGAAA GGATGCGGCT GAGGAAGCTC CAGGCGGCTG ATGAGAAAAGC
1251 CAGGAAGCTG AAAAAGATTG TGGAAGAAAA ATATGAAGAA AATAGCAAAC
1301 GAATGCAAGA ATTGAGATCT CGGAACTTTC AGCAGCTGAG TGTTGATGTA
1351 CTCCATGAAA AAACACATTT AAAAGGAATG GAAGAAAAGG AGGAGCAACC
1401 TGAGGGAAGA CTTTCTTGTT CACCCAGGA CGAGGATGAA GAGAGGTGGC
1451 AAGGCAGGGA AGAGGAATCT GATGAACCAA CTTTAGAGAA CCTGCCTGAG
1501 TCTCAGCCTA TTCCTTCCAT GGACCTCCAC GAACTTGAAT CAATTGTAGA
1551 GGATGCCACA TCTGACCTTG GATACCATGA GATCCCAGAA GACCCACTTG
1601 TGGCTGAAGA GTACTACGCT GATGCATTTG ATTCCTATTG TGTAGAGAGT
1651 GATGAGGAGG AAGAAGAAAT AGCGTTAGAA AGACCAGAGA AAGAAATCAG
1701 GAATGAGGGA TCCCAGCCTG CTTACAGAAC AAACCAACAG GACAGTGATA
1751 TCGAAGCGTT GGCCAGGTG TTGGAATATG TCCTGGGTTG CACTTCTCTA
1801 GACACAAGA CATCACACAC CATGGCTGAA GACATGTCCC CAGGACCACC
1851 AATTTTCAAC AGTGTGATGG CCAGGACCAA GATGAAACGC ATGAGGGAAT
1901 CAGCCATGCA GAAGCTGGGG ACAGAAGTAT TTGAAGAGGT CTATAATTAC
1951 CTCAAGAGAG CAAGGCATCA GAATGCTAGC GAAGCAGAGA TCCGCGAGTG
2001 TTTGGAAAAA GTGGTGCCTC AAGCCAGCGA CTGTTTGTAA GTGGACCAGC
2051 TCCTGTACTT TGAAGAGCAG TTGCTGATCA CGATGGGAAA AGAACCTACT
2101 CTCCAGAACC ATCTCTAGGC AACTATCAAA AAGAAGCAGA AGTTCAAGTG
2151 GACAAATTTA TGTGAAAATT CATTTAACAT ATAAGCTGAA CTCTATTATG
2201 GGAATGGAT ACAAAGCAG AGCTCCCATC TTGACTTTCA ATTCTCATC
2251 AGAAGTACTG GCTTCTTTAG AGAGTAGTAA GCATGGCTGC CTATGCTTGG
2301 AGTCATAAGT GTTATTTGGA CTATACCCTG AGATAAGCTT ATAGATCAAG
2351 TTTGGCTCCC TTGAAAAGCA TTTCTCTCAT GTGCGCCCTC AGGGCTTCCA
2401 GCAGGATTGA GTCACCTGA CGATGACCGG GGAGAAGCCG TGTGCTCTTC
2451 ATTATTTTCA GCTGGAGGAC AGAGCTCAGT GCCTGACTGC CTAGGGTCTC
2501 ATGGACTGTA GGCAGCCTGC CAGTGAAGGT CACTGGACTC TAGCCTACAA
2551 CATGCTGAGC TACAGCCCAG AAGCCAGACA TGCCTGTCTT AGCTGACCTG
2601 TTTTTGGTCC ACTTTTGCCC TTCCATGACT AATAAGGAAG ATATGTGTGT
2651 ATTTCATACA CACACAAGGA CCTGGATTAA AAATCCAAAA AGTGATTCTC
2701 TTCTATGATT TATTTCAAAC TCATCCATAG ATAATTCAAG ATTTGTATTC
2751 AAAATAAACA TAGTTTTTAC AGTTACAAAA TAAAAAATAA ATTTTATCTT
2801 TAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA
2851 AAAAAAATAA AAAAAAATAA

FIGURE 1, page 1 of 2

FEATURES:

5'UTR: 1 - 180
Start Codon: 181
Stop Codon: 2116
3'UTR: 2119

Homologous proteins:

Top 10 BLAST Hits

	Score	E
gi 10440202 dbj BAB15672.1 (AK027148) unnamed protein product ...	940	0.0
gi 4507277 ref NP_003148.1 serine/threonine kinase 2; Serine/t...	232	1e-59
gi 7522642 pir JC7122 serine (threonine) protein kinase (EC 2....	226	1e-57
gi 6754822 ref NP_035979.1 NIMA-related expressed kinase 4 [Mu...	226	1e-57
gi 2570047 emb CAA70436.1 (Y09234) MSTK2S kinase-like protein ...	226	1e-57
gi 1709251 sp P51954 NEK1_MOUSE SERINE/THREONINE-PROTEIN KINASE...	225	2e-57
gi 9297022 sp Q9R0A5 NEK3_MOUSE SERINE/THREONINE-PROTEIN KINASE...	220	4e-56
gi 6754820 ref NP_035978.1 NIMA-related expressed kinase 3 [Mu...	218	2e-55
gi 1709253 sp P51956 NEK3_HUMAN SERINE/THREONINE-PROTEIN KINASE...	206	1e-51
gi 9294413 dbj BAB02494.1 (AB025629) kinase-like protein [Arab...	203	6e-51

BLAST to dbEST:

	Score	E
gi 9334037 /dataset=dbest /taxon=960...	1132	0.0
gi 1471842 /dataset=dbest /taxon=9606 ...	831	0.0
gi 1690632 /dataset=dbest /taxon=9606 ...	749	0.0
gi 2017477 /dataset=dbest /taxon=9606 ...	385	e-104
gi 2070694 /dataset=dbest /taxon=9606 ...	351	4e-94
gi 10194753 /dataset=dbest /taxon=960...	337	5e-90

EXPRESSION INFORMATION FOR MODULATORY USE:

library source:

Expression information from BLAST dbEST hits:

gi|9334037 Uterus
gi|1471842 Fetal heart
gi|1690632 Colon
gi|2017477 Pineal gland
gi|2070694 Testis
gi|10194753 Nervous_tumor

Expression information from PCR-based tissue screening panels:

Human Brain
Human fetal brain
Human heart
Human Kidney
Human uterus
Human placenta
Human small intestine
Human testis
Human skeletal muscle

1 MLKFQEAARC VSGSTAISTY PKTLIARRYV LQQLGSGSF GTVYLVSDKK
 51 AKRGEELKVL KEISVGELNP NETVQANLEA QLLSKLDHPA IVKFHASFVE
 101 QDNFCIITEY CEGRDLDDKI QEYKQAGKIF PENQIIEWFI QLLLGVGYMH
 151 ERRILHRDLK SKNVFLKNNL LKIGDFGVSRL LMGSCDLAT TLTGTPHYMS
 201 PEALKHQGYD TKSDIWSLAC ILYEMCCMNH AFAGSNFLSI VLKIVEGDTP
 251 SLPERYPKEL NAIMESMLNK NPSLRPSAIE ILKIPYLDEQ LQNLNCRYSE
 301 MTLEDKNLDC QKEAAHIINA MQKRIHLQTL RALSEVQKMT PRERMRLRKL
 351 QAADEKARKL KKIVEEKYEE NSKRMQELRS RNFAQLSVDV LHEKTHLKGM
 401 EEKEEQPEGR LSCSPQDEDE ERWQGREEES DEPTLENLPE SQPIPSMDLH
 451 ELESIVEDAT SDLGYHEIPE DPLVAEEYYA DAFDSYCVES DEEEEEIALE
 501 RPEKEIRNEG SQPAYRTNQQ DSDIEALARC LENVLGCTSL DTKTITMAE
 551 DMSPGPPIFN SVMARTMKMR MRESAMQKLG TEVFEEVYNY LKRARHQNAS
 601 EAEIRECLEK VVPQASDCFE VDQLLYFEEQ LLITMGKEPT LQNHL

FEATURES:

Functional domains and key regions:

[1] PDOC00001 PS00001 ASN_GLYCOSYLATION
 N-glycosylation site

Number of matches: 2

1	71-74	NETV
2	598-601	NASE

[2] PDOC00005 PS00005 PKC_PHOSPHO_SITE
 Protein kinase C phosphorylation site

Number of matches: 5

1	47-49	SDK
2	273-275	SLR
3	329-331	TLR
4	340-342	TPR
5	372-374	SKR

[3] PDOC00006 PS00006 CK2_PHOSPHO_SITE
 Casein kinase II phosphorylation site

Number of matches: 15

1	64-67	SVGE
2	84-87	SKLD
3	97-100	SFVE
4	211-214	TKSD
5	251-254	SLPE
6	277-280	SAIE
7	302-305	TLED
8	340-343	TPRE
9	414-417	SPQD
10	454-457	SIVE
11	490-493	SDEE
12	522-525	SDIE
13	538-541	TSLD
14	547-550	TMAE
15	600-603	SEAE

[4] PDOC00007 PS00007 TYR_PHOSPHO_SITE
 Tyrosine kinase phosphorylation site

361-368 KKIVEEKY

[5] PDOC00008 PS00008 MYRISTYL
 N-myristoylation site

Number of matches: 2

1 38-43 GSFGTV
2 510-515 GSQPAY

[6] PDOC00299 PS00342 MICROBODIES_CTER
Microbodies C-terminal targeting signal

643-645 NHL

[7] PDOC00100 PS00108 PROTEIN_KINASE_ST
Serine/Threonine protein kinases active-site signature

154-166 ILHRDLKSKNVFL

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	231	251	0.781	Putative

BLAST Alignment to Top Hit:

>gi|10440202|dbj|BAB15672.1| (AK027148) unnamed protein product [Homo sapiens]
Length = 463

Score = 940 bits (2404), Expect = 0.0
Identities = 463/463 (100%), Positives = 463/463 (100%)
Frame = +1

Query: 727 MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 906
MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL
Sbjct: 1 MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 60

Query: 907 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT 1086
KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT
Sbjct: 61 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT 120

Query: 1087 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK 1266
LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK
Sbjct: 121 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADEKARKLKK 180

Query: 1267 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER 1446
IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER
Sbjct: 181 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER 240

Query: 1447 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA 1626
WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA
Sbjct: 241 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA 300

Query: 1627 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT 1806
FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT
Sbjct: 301 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT 360

Query: 1807 KTITTTMAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA 1986
KTITTTMAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA
Sbjct: 361 KTITTTMAEDMSPGPPIFNSVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA 420

Query: 1987 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQ NHL 2115
EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQ NHL
Sbjct: 421 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQ NHL 463

>gi|4507277|ref|NP_003148.1| serine/threonine kinase 2;
Serine/threonine protein kinase-2 [Homo sapiens]
>gi|1709347|sp|P51957|STK2_HUMAN SERINE/THREONINE-PROTEIN
KINASE NRK2 (SERINE/THREONINE KINASE 2)
>gi|7427997|pir||I78885 serine/threonine-specific protein
kinase (EC 2.7.1.-) STK2 - human
>gi|348245|gb|AAA36658.1| (L20321) protein
serine/threonine kinase [Homo sapiens]
Length = 841

Score = 232 bits (586), Expect = 1e-59
Identities = 114/263 (43%), Positives = 174/263 (65%), Gaps = 2/263 (0%)
Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
Y + +G GS+G V LV K +R + V+K++++ + E A EAQLLS+L H
Sbjct: 6 YCYLRVVGKGSYGEVTLV---KRRDGGKQYVIKKLNLNASSRRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDDKIQEYKQAGKIFPENQIIEWFIQLLLGVD 621
P IV + S+ D I+ +CEG DL K++E K G++ PENQ++EWF+Q+ + +
Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLYRKLKEQK--GQLLPENQVVEWVFIAMALQ 120

FIGURE 2, page 3 of 5

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L CD+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIKVGDLGIARVLENHCDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P++P Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPAMPRDYSPELAELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQL 1053
 ML+K P RPS IL+ PY+ Q+
 Sbjct: 241 MLSKRPEERPSVRSILRQPYIKRQI 265

>gi|7522642|pir||JC7122 serine (threonine) protein kinase (EC
 2.7.1.37) 2 - mouse >gi|4138209|emb|CAA11072.1|
 (AJ223071) serine/threonine kinase protein
 MSTK2L, long-form [Mus musculus]
 Length = 792

Score = 226 bits (569), Expect = 1e-57
 Identities = 135/405 (33%), Positives = 227/405 (55%), Gaps = 21/405 (5%)
 Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
 Y + +G GS+G V LV K +R + V+K++++ + E A EAQLLS+L H
 Sbjct: 6 YCYMRVVGRGSYGEVTLV---KHRRDGGKQYVIKKLNLNRNASSRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDDKIQEYKQAGKIFPENQIIWFQIQLLLGVD 621
 P IV + S+ D I+ +CEG DL K++E K G++ PE+Q++EWF+Q+ + +
 Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLRKLKEQK--GQLLPESQVVEWVFIAMALQ 120

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L D+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIKVGDLGIARVLENHCDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P +P+ Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPMPKVYSTELAEELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMTLEDKNLDCQKEAAHIIINAMQKRIH 1158
 ML++ P RPS IL+ PY+ + + T ++ +C A + + ++
 Sbjct: 241 MLSSRRPEERPSVRSILRQPYIKHHISLFLEATKAKTSKNNVKNCDSPRAKPVAAVVSRKEE 300

Query: 1159 LQTLRALSEVQKMTPRERMRLRKLQAADKARKLKKIVE-----EKEYEENSKRMQELRS 1320
 T +V PR ++K +K V+ E Q++ +
 Sbjct: 301 SNT-----DVIHYQPRSSSEGSALHVMGEDKCLSQEKPDIGPLRSPASLEGHTGKQDMNN 355

Query: 1321 -----RNFAQLSVDVL--HEKTHLKGMEEEKKEQPEGRLLSCSPQD-----EDEERWQGRE 1461
 ++++D+L + +E QP+ + D +++ER QG
 Sbjct: 356 TGESCATISRINIDILPAERRDSANAGVVQESQPQHVDAADEVDSQCSISQEKERLQGN 415

Query: 1462 EESDEP 1479
 + SD+P
 Sbjct: 416 KSSDQP 421

Hammer search results (Pfam):

Model	Description	Score	E-value	N
PF00069	Eukaryotic protein kinase domain	290.0	3e-83	1
CE00022	CE00022 MAGUK_subfamily_d	25.8	1.6e-07	1
CE00359	E00359 bone_morphogenetic_protein_receptor	20.7	3.7e-05	1
CE00031	CE00031 VEGFR	17.6	2.1e-05	1

CE00203	CE00203	ERBB_RECEPTOR	16.1	0.0004	2
CE00220	E00220	ACTIVIN_RECEPTOR	8.3	0.082	1
CE00334	E00334	urotrophin_receptor	3.4	0.48	2
CE00204	CE00204	FIBROBLAST_GROWTH_RECEPTOR	1.9	6.1	1
CE00549	CE00549	NGFR	0.7	6.7	1
CE00292	CE00292	PTK_membrane_span	-7.9	1e-08	1
CE00287	CE00287	PTK_Eph_orphan_receptor	-16.2	3.4e-07	1
CE00286	E00286	PTK_EGF_receptor	-65.6	4e-07	1
CE00291	CE00291	PTK_fgf_receptor	-67.6	7.7e-05	1
CE00290	CE00290	PTK_Trk_family	-73.1	1.7e-10	1
CE00288	CE00288	PTK_Insulin_receptor	-203.0	0.0037	1
CE00016	CE00016	GSK_glycogen_synthase_kinase	-232.8	0.00088	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
CE00203	1/2	35	44 ..	746	755 ..	-2.5	60
CE00334	1/2	77	117 ..	588	628 ..	0.2	4.7
CE00220	1/1	154	170 ..	340	356 ..	8.3	0.082
CE00549	1/1	156	180 ..	706	731 ..	0.7	6.7
CE00334	2/2	156	180 ..	679	704 ..	3.2	0.57
CE00203	2/2	138	182 ..	845	890 ..	15.9	0.00046
CE00359	1/1	154	204 ..	272	327 ..	20.7	3.7e-05
CE00022	1/1	141	217 ..	129	211 ..	25.8	1.6e-07
CE00204	1/1	199	217 ..	706	724 ..	1.9	6.1
CE00031	1/1	134	225 ..	1047	1141 ..	17.6	2.1e-05
CE00291	1/1	29	282 ..	1	285 []	-67.6	7.7e-05
CE00290	1/1	30	285 ..	1	282 []	-73.1	1.7e-10
CE00287	1/1	29	285 ..	1	260 []	-16.2	3.4e-07
CE00292	1/1	29	285 ..	1	288 []	-7.9	1e-08
CE00286	1/1	29	286 ..	1	263 []	-65.6	4e-07
CE00288	1/1	29	287 ..	1	269 []	-203.0	0.0037
PF00069	1/1	29	287 ..	1	278 []	290.0	3e-83
CE00016	1/1	3	350 ..	1	433 []	-232.8	0.00088

1 GCTAAAGAGG GCTGGGACGT ACGTTCGGAA ATGGCTGCTG TCAGGCTAGG
 51 AAAGCTTGGC CCGCCGGTCC TCCTCTGCTT TCTCCGCTA CTGGGTTCGG
 101 CGAACACTTC CGCCTTGGTG CCGCCTCGCC CCGACTTCCC AGTATGCCCC
 151 GCGCCGTCTC CCTGGCCACG GTTCCAAACA GCCGTGGCCC GCGGTGTCTG
 201 GCGCTCGGTG GGTGTGGTTG CCCCTAGTTT GAGGCTGCC CGATTACCCG
 251 CAAGACTTGG GCAGCCCCGG GCGCCGCTCC GACCACGACA GGGAAAGGTA
 301 AAGCGAAGTG TGCTCCTTGG GGCTAGCCAG GCTCCCTGCG GAGGGGGAAG
 351 GTAATGGTTT CAAGCTGCCC GGGCTGGGTT CCGAATCTCT AGGACGCCAT
 401 GGCTGCGATC TCCTCGCTTT CCTGGACGTC TTACCTCCGG ATGTACTCCA
 451 GTCTCAGTGC CCCTCAATAA ACGTTAACCT GCTTTGCCAA AATGTAAATG
 501 TTTAAAAAGG TGAAGAAGCA AGGAATTGTT CGTTTTACCT TAAGGTTAAG
 551 ATTTACTTTA AAGGTAGATT TGTGCTGTAG CAGAACTGG TGACAAATTG
 601 CCTTCTCTT ATTACCTGGG AAGATAACTA CTGGTTTCA ACTGTGATA
 651 AATACTCCTT CCGTTGTCTT TTGCCCCCAG CCAGATCTGT TTCACCGAGA
 701 AGGGGTAGTT TGCACAAGGT AGTAACTTTC TCCAAGTTC CATCTAGCTT
 751 TCTTAACTAA CCTTTTTTCT CTCCTTTGGG CGGCAGTTGA TCTGCTGGAC
 801 ACTTACTTGC CTTAACAAGG TTTGTAAAC ACCTAGTATA TGCCAGGAGG
 851 TATGCCAGGG ATTGGGGATG CAGAAATAAA GAAGATGTGT TCGCAGTGCC
 901 CAAGTTCAGT CAAACCTCGA GGGGGAGCGT GTTGTCAAGT GAACAGATAG
 951 TTCTAGAATC TAGACAATGC GACACATTCT TGGGTAGGTT TATGGTTGCG
 1001 CAGAGGAGAC TAATGGAATG GATGACCTAA AAGTGGACTG GGATGGGGGT
 1051 GGCAGGGCTG AGTCTGTGAG GGTGGGCGGG AGGGAACCTA GTCCAGAGT
 1101 CTTCTGCAGC CTGGACCAGA CTAAGTAAAG ACTGCTGGGT TTAGACTGTC
 1151 CTTTAAAATA AGAGCCGCTA GAAGTGAAGT TCTCATCTG TCCGTCCCTA
 1201 ATTCTGTCTT TCTCTAAAAG GAACCTTAAT CTCATCTTTA AAATAAGGAG
 1251 AATTACTGAG TGACCTGAAG GACCCTTTTC AGCTGGAAAG TCTGTAAGTC
 1301 CATATATTTA TTTGAACAGC TTAGTATGGC CAGACGGCAT CACTTTTATG
 1351 ACAGTGAAGG GGAAGTAAAA ACAAAAGGTA TATTTAGAGG CTGCTCTCT
 1401 AGTTGTTTTT CCAGCAGATT TACTAACGT GTCTTTGGAA GGGAAAAGAA
 1451 AAAGCTGGTA ACTAATCTCA CTGGTATTAG GTACAACCTA ACTGATTCAT
 1501 ACATTTTAAG AAGGAAAATG TTGTAATGG GCATTTACTT ATGTTCTGTT
 1551 TTGAGGATTT TTGTGGTTAA TTGCCCTAGT AGTTTTGTG GTTGACGGAC
 1601 ACCACCACGT AAAGCCCATT GACCATCCTT AAAAAGTAGG TTTTGTCTC
 1651 ATAGCTTTGG AATTGTTGAA TATGAAAACC TAAGTTCAAG GTGTAGGCAG
 1701 TTTTCAATTT AAAATGTTAT TTCTATATAG ATTTAAAACA AAAGCACACT
 1751 TTTCTTGATA ACTAACAAA CATTTAACAT TCTGATGAAA TAAAAGTGAT
 1801 TTTACTTTGT ACCTACTCAT ATGAAACAGT CCTGCCTTTC TTTTTTTTGT
 1851 TTTTGTTTTT GTTTTTGTTT TTGTTGAGAT GGAGTCTTAC TCTGTCGCCC
 1901 AGGCTGGAGT GCAGTGGCGA GATCTCACTG CAAGCTCCGC CTCCTGGGTT
 1951 CACGCTATTC TCCTGCCTCA GCCTCCCGAG TAGCTGGGAC TGCAGGCGCC
 2001 CGCTACAATG CCCGGCTAAT TTTTTTGTAT TAGACGGGGT TTCACCGTGT
 2051 TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCGCC CGCCTTGCC
 2101 TCCCAAAGTG CTGGTACTAC AGGCGTGAGC CACTGCGCCC GGCCTAAACA
 2151 GTCCTGCCTT TCATAACTGC CACGTCTCAT AGCTCCCTGA GGAATTACAG
 2201 ATTTATCTGT AGCATTTATA TTCCACTGAC ATTAATGGG ATTTTAGGTT
 2251 TGAATTGAAT TTGTAACCTT TCCTGTTTTT AATCCAGAGA GATTATACAC
 2301 AATGTGTACA ATAGGAACTT CAGAACTAG AATTTGCTGA GCATGGGAAA
 2351 AAATCTCAA TCCTTATCCT TCTTGCATC TGTCCTAATA AATACAAAAA
 2401 CTGTGGTTTA ACATCTACAG AAAAAAATAA ATCTAAAGGA AACAGCACCT
 2451 GCTAATTCCT TGTTTAATCC TAACTCACTC TTTGTAAACC AAAGTAAATA
 2501 TAAGGTGAGA AGAGGGCATT AAAAAAGGT TGATGCAGAT GTATAGATTT
 2551 AAGGAGGTGA TAATGTTCTT GTATTGGAT TCTTTTATAA GTAGTTGGGG
 2601 AGTATAAATC TTAATAAAT GAAGAGATTG CTCATTGTAA AACAGATGTA
 2651 CATCCAGAA ATTTGTGGAA AGTTGGCTAT AATTCACCTC TGCCAAATTT
 2701 CAATGTACAA AGGGAGGCTC TTCCTGTGAA AGATTGCCTT CTGGAATTTG
 2751 TGGTATCTCT ACCTTTAAC ATTTTTTTTC AAGTTGTTAA CCAATATGGT
 2801 GTCAGTCTGC TGATCAAGGT GCAGATATCA CTGCACCTAA CACTTTTTGT
 2851 TAGACATCGT TTAGCAACCT TTAGACCTGA TCTTTTAACT TTTCATCTTT
 2901 AAGGAAGTGA CCAACACTGG ATGAATTTGA CCATTTCTTA GGAGACTGGA
 2951 ATGTTAAGTT TCTATAAATG AATGAACCAG TTCTCTCTTG TTTGGAGCAA
 3001 TGCTGAAAT CCAAGAGGCA GCTAAGTGTG TGAGTGGATC AACAGCCATT
 3051 TCCACTTATC CAAAGACCTT GATTGCAAGA AGATACGTGC TTCAACAAAA
 3101 ACTTGGCAGT GGAAGTTTTG GAACTGTCTA TCTGGTTTCA GACAAGAAAG

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3151	CCAAACGAGG	AGAGGAATTG	TAAGTAAAAG	TGCTTCCTAT	GAATCTTGAG
3201	TAGGCTGCCT	TTTGTTCGCA	GGTCTTAGCT	GATTAGGAAC	ATGGAGCAGG
3251	CCAGGTATGG	TGGCTCATGC	CTGTAATCCC	AGCACTGTGG	GTGGCCAAGG
3301	TTGGCAGATC	ACTTGAGGCG	AGGAGTTCAA	GACCAGCCTG	GCCAACATGG
3351	CAAAACCCCTG	TCTCTACTAA	AAATACAAAA	ATTAGCCAGG	CAGGGTGGTA
3401	CATCGCTGTG	ATCTCAGCTA	CTTGGAGGTT	GAGGCACAAG	AATTGCTTAA
3451	ACCCAGGAGG	TGGAGGTGTG	AGTGAAGCCGA	GATCATGCCA	TGCCCCTCCA
3501	GCCTGGGCAA	CAGAGCAAGA	CTGACAAAAA	AAAAAAAAGA	ACATGGAGTA
3551	ATGTCCACTT	TGCTCTTTAT	ACCAAAGCAA	GTATTTTATA	AATATAGGTA
3601	AGCTCCCTAA	TTAATCTTTC	ATATTAGGTT	TAAAGGCATT	TCAGCAGGTG
3651	AATAAAGTAT	CCAAATGACC	TAAAGAAGGG	AGCTAGAAAT	GGGATAGATT
3701	ATGTGAAAAA	AAGATGTTTG	GGCATGCCAC	AGTCTCAGTG	ACAATATTAC
3751	TTCCACTTAA	CTTGATTGGA	ACTCTTGAA	TGAGAAAAA	AGAATTGTTC
3801	ATAATGACTA	TTTTTTAGAAA	TGTTACAAAA	TGCAAATAAA	CAATTATTCA
3851	CATTTGAGAT	GAATAGGGTA	TACCAAAGAA	AGTAACAGTA	TTAATTTTCT
3901	TTGGGCTTTC	CATGGCGAGG	ATTTTCAAAT	TCCGTAGTCA	GAAAGCTGTC
3951	AGATTAAACA	CTTAAACCAA	ATGGACACTC	CTATTTAAAA	TTAGCTTATG
4001	TTAATGACCC	CCTTGTCACC	TCGTCTCTTT	TGATTTATGAT	CGGACCTCT
4051	ACACTTTTAT	AGTAGAGAAA	AACCTCTTAA	AGCTTCAGAC	AGTACCTCCC
4101	TTACATGATA	ACCTCTAGTT	TTTGTGTAAA	GTTTTTTTAA	TTTGCTGCAG
4151	TGAAAAGTAA	GTTGGAAGTG	AAGTTAGGGT	AAGAACTTGG	CCTATCAGAA
4201	ACACAGGAGG	AACAGAAAGC	AGAAGGAAGA	ATGATCCAAG	ATATCAGCCC
4251	TTAACCCCGAG	AAGACCACAT	TTTCATCCCA	TAATATATTG	TTTTCTTCTA
4301	AGGTTTTAAG	GCTACTCTAA	GTCTCTCCAG	CTTTTGCCTA	TTGGATATTT
4351	AAGAGTGGAT	TTAAATTCAG	TGTGATAAAC	ACTTTTCTAC	ATCTTCATAG
4401	GTCATAGGAA	TTGTAAGGTT	AAGTGTTAGT	GATGTTTACTA	CTTTGTTTTA
4451	AAACTCAATC	TTTTAAATGG	TCTCTGTCCA	GAATTTTTTAA	AAGCTGTAAT
4501	TATCTAGAAT	TTATAGTTTT	TAGTCAATTT	CTACATGAGG	GATGATAAAA
4551	GAGCTGGGCAT	TTTTCTGATG	TCCTTAGAAC	ATGCATTATG	ATTCTGTCTG
4601	AAAAGGATTT	TTTCTCTTTA	ATCCTATAGG	TGCTCTTCTA	GCCATTTTGA
4651	ATAGAATGAT	AAATTTCTGA	CAATTTATAG	ATAACCTTTA	TGGAACATT
4701	GAGAGTAAGA	CCTAAACCAG	ACCCAGTACT	TCTAAAAACT	ACACTGTAGG
4751	ATCATATCCA	ATTTTGTTTT	CTTCAACTAA	TGAGGAATAT	GAAAAATTTT
4801	AAGATAATTC	ACAGGAGGAC	TAAAAAGTTA	ATTAAGGA	TGTAATAATA
4851	GATGTATGAA	GATCAAACCT	GAAACCTTTA	GACTTAAGAT	AATAAGTGAG
4901	TGGAGAGAGT	GTGTTTTGTAG	TCAGCGGGGA	AGAGAGAGAG	AAAGAGAATG
4951	AGAGAGAAGA	AAGGGGGCTG	GGGCTGGTTG	TTGGGCAAGT	GATTTGGTAG
5001	TGATCTTTCT	TGTACCTGAA	CAATCTTAA	AAAAACACAT	GACTGGAGCT
5051	GAAGATGGCA	GATCATGTTG	TGGAATGAAT	CCAGTGGTGA	GGATAACGGA
5101	CAAAAATCAT	TTGGCACCAG	AAGGTCTAGT	CCACAATCTC	TGGGAAAGGA
5151	ATCATTTCATC	ATCAGAATCT	AAAACATATT	GCATACTGGC	CACATGTGGC
5201	TTTCAGATGT	CTTTTGTTTT	GCCTGGGTAG	TGTTTTCTTT	TAGTAAATTA
5251	ATCAGTTTTT	TTTTTTTTTG	AGGCGGAGTC	TCACCTGTCT	TCCCAGGCTG
5301	AAGTGACAGT	GCAACATCTT	GGCTCATCTG	AACCTCCACC	TCCCAGGTTT
5351	AAGTGATTCT	CCCACCTCAG	CCTCCCAAGT	AGCTGGGATT	ACAGGCATGC
5401	ACCACCACAC	CTGGCTAATT	TTTGTATTTT	TAGTAGAGAC	AGGGTTTCAC
5451	CATGTTGGCC	AGGCTGGTCT	TGAACCTCTG	ACCTCAGGTG	ATCCTCTTGC
5501	CTTGGCCTCC	CAAAGTGCTG	AGATTACAGG	CGTGAGAAAT	CGCGCCTGGC
5551	CAGTAGTCAG	TATTTTTTAA	TGAGCAGCTC	ATATAAATTG	AGCATTTTAT
5601	CTTTTCTAGA	AAAAAAGAT	TTGGGAACGT	TGTCTAACAT	CAGTTCTGTG
5651	GTAGCCACAA	TGGACTGCTA	AAGCTAGGCA	GCAGCTACTC	CCTTAGACAA
5701	ATTCCGTATT	CTCCAGTTAG	CCACATTCCT	ACCTCTCTTT	ACTGTCTCTG
5751	GCATACAGCT	GCATCACACC	TTTCCACTAC	GTGCCGACCT	TTGTAGACAA
5801	TTGCTTTTGG	AATTATTTGC	TAAAATCAGA	AAAAAGTATG	AATGTGACTA
5851	CTCACAAAAA	CTAGAATGC	TGTAATAGAA	ACAGAGCATG	ATGGTGTCTAT
5901	TGTTAAATTC	TCCAGTTTGG	ATGTGAACAA	AAAGTAAAGC	CAGGCTGTGT
5951	CTTAATCTGTA	AGTCTACATT	CTGTACATTC	CTAATCTGAG	CTTTGGTTTT
6001	CTTATCTTTA	AAATGAGTAT	AATACCTCAT	AGGATTGTAA	TAAGAATACG
6051	ATATCTGCCT	ATTTATATAA	GATTTAGATG	TCACATTGCC	TTGCTCATAA
6101	TTATTCCTCA	AAAACAGCAC	AGATTCACTT	TAATTATAAA	CAATCCAAGT
6151	TAAAGAATAA	ATTAAGGAAA	GCCTAAGAAA	ACTTTAGCTA	ATTACCAACC
6201	AATGAGTCGA	ATTGGAAACT	TCTAATAAAG	GAGGCTTTTT	TCTGGATTAC
6251	TTTTAAATGA	GAAAAATTC	CCAAATAAAC	CAATCTGAAA	CCAGGCATGT

6301 AATTTAAAAA ACTTATTCAA GATGTGTCTT GAGATTGTAA CAATTCTGTT
6351 GTCATCTTTT ATATCTCTGT GGCTGTCCAA AATAAATTGG TTCTCAGAAT
6401 GTGAACCTTT TAGCTAAGAT ATCAATTCAT CAGTGATTGT TATGTTTAAT
6451 GCATGTATGA GGCAGGAAAC TAAACTCTTT TTTTTTTGTG TTGATACTGA
6501 ACCATTAGTT TGTGAGCAAA GCACATTATT AGCACTACTC ATTGTCCAAG
6551 CAATTGACT AGATAAGGTT TTAAATTATG CTTTACATAC TAGACCACAA
6601 ACATAAGGAA TTGGTTAATG TTAGAGGTGG CTAGAAGATG AATACTTTAT
6651 ACAGACTTCT ATAATGGTAT GAATGCTATT CCTTCAACAC ATCAGAATAG
6701 ATATGACTTC CCTTTTGTG TTGCAGATAC ACCCTTAACT TTTTGAGCTC
6751 ATAAGGAAGG TATCAGACTA TCCCTTGGTA TCAGTGTTAA AGGAATGACA
6801 ATAAGTTTGT AGGACTTATG ACTAGTTTCT ATGAAATACA GATTTCATTAT
6851 ATACATTCT ATATTTAATC AAAGAACTTG ACAAATGGA ACAGCTGTAT
6901 GTACATAGTA CTTAACTTTT CCGTCAAAGT ATTGCAATT ATCATTATGC
6951 CACTTGGGG CATCACTTTA CCATTGACAT TTTGCATACA GGGTGACCTT
7001 TAATTACAAT GTAAATACCA TATTCCTTTA CATTTTTATT CACTTTCTGA
7051 ATTAGCTGTG AGATTAATC AAAACCTACA GTACAGACAT TACACTTGCT
7101 TGATGCATGT TTGGAGAGTT TTCTTCCTGG CATAAATATT GGGCATCCCT
7151 TTTTTCATTA TCACAGTAGA ATAAAATTAA ACTGTTAAAA TGTATGGTGA
7201 ATGAGATAGA GGTTTTCTCT TTATTATGCA TCATGAAAT CATAAAACAA
7251 TATTTGAGAA TATTTCTTT CATAATTATA GACACTCTAG TCTAATTATG
7301 TTGTCATAGT CCTAAAAAGA TTGTGCTAGT TCTTATTCAT TTTATTTTAT
7351 AGTATTGTTA AATTGTCAAA GTATCTTTTC AAAAAATCAA ACCCAAAGA
7401 TTTGATCAGC CCAGAAATTA CTTGGCCCT TAACATTAGC ATAGTGATG
7451 TAATTTAATA GAAAAGAGAT ATTAAGGAAA TAGGTTTACC CTAAAATACA
7501 TGATTAAACT TGTAATTAAT CATGGCCACA GCTACAGTGA ATTTCAACAT
7551 TCATCTTATC AGCATAGAAT GTTGGTTATA ATGATTTTTT AAAAATTAT
7601 CACATTAAAG ATATAGTGAT CTACTATGC AGAGTTGATT TTATGCTGTT
7651 GTCTGTTTTA GTCTGTCAAC TATGAAGTAT TTAATACAAT TTAAATTTTT
7701 TTTTTTTGAG TCGGAGTCTC GATTTGTAC CCAGGCTGGA GTGCAGTGGC
7751 GCGATCTTGG CTCACTGCAA GCTCCGCCCT CCGGCTTCAC GCCATTCTCC
7801 TGCCTCAGCC TCCCAGTAG CTGGGACTAC AGGCGCCCGC CACCACACCC
7851 GGCTAATTTT TTGTATTTT AGTAGAGATG GGGTTTCACC GTGGTCTCGA
7901 TCTCCTGACC TTGTATCCA CTGCCTGGG CCTCCCAAAG TGCTGGGATT
7951 ACAGGCGTGA GCCACCGCGC CCGGCCACAA TTTAAATATT AGACCTTTGC
8001 TTTGGACTCA GCACGAGAGA GAAAACGAA GCAGTAGGAG ATAAGGCCTA
8051 GCCTTCAGGT GTTCCAGTC CGGAAGACTA TATCAACACA CATAAAACAA
8101 CTAGTATACA GTACAGACA ATGCTTAAGT ATCTGTGTGG CAGGTTGCAC
8151 TCGGAGATGT TGGAGTGGCT ACTCCCTTTC CAACTCAATA TTATCTTACT
8201 TGTTTCTGTG TACTATCTAA CTTATGTGTA TTTTCCCCTT GGTCTTATCC
8251 AAGTGCGTAT CCAAATATTT TACCCCTTAA CTGTGATCGT ACACCTTGGT
8301 CTTTGTCTAA ATATGGGAAA AATGGTAACA AGGAAATGCT TTATCTCTAC
8351 AGAAGGCATT TTTTCCCCT CTATCTCATA TGTCTGCCTG AGATAAGGAT
8401 CAGGAGTTAA ATAGTAAAAG GCCTACAAGT CCTTAAAGAA ATGGCCCTCA
8451 AGTCCAGGCT CTGCTCCTC CAGAGAGCTC TTGGGTCTAC ATTAGAGTAG
8501 ATTTTTTAAA GTCCTAGCAA GCTGATTTTC TACCCAGTTA TGGAACACAA
8551 ATGGAAGATA GGGGGCCAAG AGTTGATGCT AGAATGAGTC ATACTGACAA
8601 CAGAGGGGAG TGGTCTTAGA CCATAAGAGT AAGGGAGGTA GAAAGTAAGA
8651 AAAAGATAAT TAAAAACCC CAAAAGCCAA AAAAGTCTGG GTCCATTGTT
8701 GTAAAGCTCT CCATACTCCA GTTCTACTT ATAGAAATCT CAGACGTCCA
8751 GCCCTGTTCC AAAGTACTGT ATTGAGACAG ACTCACTAAC TGGCATGGAG
8801 TCAAAAGGGC TCAGGGGTTT AGCCACCACC CTGGGGTCCA GGCCTCAGCT
8851 TTTTCATATC ATACACCCAG AGATGGTCAG TCTTGAGAG GAGCTTATAT
8901 TAACTAAATC AAGACAAGAT AGATCTATAA ACCATGATTC CACTTCTTAA
8951 TCTGGTTTCT AGGATGAACA GTACCTCCTC CTTTGTGCAC CCTCCCACCA
9001 TTTTCTGGTA GAAGTTCTGG AGAAGCTGTA TATCTAATGA GAAGTGAAAA
9051 TATAACCAAA ATAAGCAGGT GGAATAATTG GGCAATTACT CGCTTAAACC
9101 AGGTAAAAGG TCTCTTCTAA GAACTTGACA AAATGGAACA GCTGTATGTA
9151 CATTCTAAGT GGCTATTGTT GTGGGAGCCC TAAGACCCAG TGTTTATCTA
9201 CTAAATAGCT CTGGATGCAC CCCCATACAA ATATTATAG GGTACCTCCT
9251 TTCCCAATAT TGAAAGTAAT GTGTATACAC TTTATAAAAA GTTCAGATGT
9301 GCATAAAGAA GCAGTAAAT AATCTATAAT CCTGCCATCC AACCTGTGGT
9351 CTTTTCTGTA TGCAGTACA AATATTCAGT CTTTAAACGA AACATGGCAT
9401 TGGTCTTAGT CATTGCCTCT GAGAGGAGAT AGGAAGAGAA GGAGACTTCA

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9451 CTTTTCAC TG AACCCCTTCT GTGCATTTGG AATTTTGTAT CATGTGCAAG
9501 ACTGAAACAA AACAAAACCT ATAAAAATAA GTGAAAAAAC CCACATATTC
9551 ATTCACACAA TACTGGTCAC CGTTTACTGG TCATCTGGAG CTTGAGTCTG
9601 GTACAGTGAT TCTTAACCTT GGCCAAACAG TGAATCACA ATATTTAGAA
9651 AGTACAGATG CTTGAGTCAT ACTCCAGTGA ATTCTGTTTG GTCTGGGGTA
9701 TGGCCAAGGA TTTTGTAGAA CTTCCAGGTG ATTCATATGT GTCCTAGAC
9751 TTGAAATATC TCAACTGGAG ATAAAAACTC TACTTACATA ATCATAAATA
9801 ATTTTAGCTG CAATAACTTG TGAAAGAAAA ATCTTGGTTC TTGTGAGGTA
9851 CAATAAACTC ATCTTTGCTT GCAGGATGGA AGGTGGGTG AGGCAAGGCT
9901 TCCCTGAGAC CTGTGAGCTG AAATCTGAAG AATTATTAAG AAGTAGCCAG
9951 TGGTTTTTAC AATTTGTTGA GCATCAGAGT TGTCTGGAGA GCTTATTAAG
10001 ACAGATTGCT TGGCTCCCC CTACCCAGAG GGTTTCTGAT TTAGCAGGTC
10051 TGGTAGGAGG GGCCTGACAA TTTGCATTT TAACAGCTGT TACTACATCT
10101 TAGAGACTG CATTTTGAGG ATCCTTGATC TAGGCAAAGG GATGGGAGAA
10151 GAGTTGCATT CAGTGTGAAT GGCCTAATAA TGGAATAGAG TTCAGTGTAT
10201 ATACAATCTC ACATGCTTTT TAAAGCAGG AAAATATAAG CATTTTCCCA
10251 TGTTAGTAAA TACTCTTTAA AAGCATCATT TTTAACACCT GCATAATAGT
10301 CTATGGCTTT CTGTGCTATT AACGGCCACT TGTGGATAT CTAGATTCTA
10351 GTGCCTTCTT TGAAGTAGAA GACTATTGTG CTTTTTAGCG TCCTCAGCGA
10401 TTTGATGTGA TGACTGGTTC AGCATTTTCT TCCTGTGAGT AGCATAACTG
10451 AAAAATAAAG GAATGCAAGC TTCGGTCACT GAGAAATGAC AGGCATTCTG
10501 TGTCATTCAA TGGAAGCATT TTTTGGGGTC AGTTGTGAGT TACAGCTACA
10551 TTTGCACTGT AGTAATTAGA TAAAAAGAAC TTCATCCATT TTTTTTTTTT
10601 TTTGAGACGG AGTCTTGCTC TGTGGCCAGG CTGGAGTGCA GTGGTGTGAT
10651 CTCAGCTCAC TGCAGCCTCC ATCTCCCAGT TTCAAGCAAT TCTCCTACCT
10701 CAGCCTCCTG CATAGCTGGG ATTACAGGCA CCCACCACCA CGCCAGCTA
10751 ATTTTGTAT ATTTAGTAGA GACAAGGTTT CACCATCTTG GCCAGGCTAG
10801 TCTCAAACCT TTAACCTCGT GGTCCACCTG CCTTGGTCTC CCAAAGTGCT
10851 GGGATTACAG GCGTGAGCCA CCATGCCCAG CATGAATAAT AATTCTTACT
10901 AAAATGFTG TCGTTTGTGA ATATTAATAA TACACTTTCA ATAATTCAGA
10951 TTGTGACTGT AATTCTGCC ATTTAATAGC TGATCGCCTT TAGCAAAGCT
11001 AATATTTATA TATTGTACCT ACTAATACCT ATTTATGGAT ATTTCTGTCT
11051 GATTTATTTA ATCATTTTAA CATATCTTTA CTTTCAATTT TGAGTCATTT
11101 TAAACAAAC ATCAATAGAT TTAATGAGTC CAACTTTGAA CTCAATCTAT
11151 GTATTCTTAT TAAAGCTACT ATTTCTATAT TATGTCTAGG AGTTCTCTCC
11201 AGTGGTTATC TGTGATGGGA TAGTGGGTTT ATTGAGTGGG ACGAGTTAAT
11251 TTAATAGGAT TCAGTGGTTT ACGCCGTGGA GAGTTATGAA AACAATTGG
11301 AAGAACTAA TGATTCTTT CTATTTTGCC TTGCCAGACC TCAAAACACA
11351 GTTTCTTTCA GTTTCTCACA GTTAAAAAAA AAAATCTTCC TGCTTATCTT
11401 TTAAGAGAAA GTATAACATG AAAGCATATT AAAATATTAA AAATTTTAAAT
11451 ACTAAATTA ATATTAATAA CAGTTCAGAT TCTCGGAATC TTGTGCTTAG
11501 GTTCTCTAG GTAAATATAG AAAGAGTACA TTTGAACTTG GACTTCACTT
11551 TGGGCTTTGT CAGTCTCTG CACACAATAA GGTCAAGCCT CTGAGCTTCT
11601 GGCCATCTTA TATTTAAAGT TTGGGAGATG GAATGGATAA GGAGAGAAGA
11651 AAATGCAAGG GCACATAGTT ACTTTGATTA GTTTCAATCA TGGTAATGAA
11701 GTCATATATC TGAGATAAAT GACTTTCCTA AGGCCGCTTT GCTGCATGTG
11751 TTAGCATAAA AGAATCCGTG TGCTTTCTAT CTGGTTTTTA ATATTTACAG
11801 ATCAGAAATG ACTAATAAAA TATTAGAATG AGTAGGCTGC AGGGAACCC
11851 TCAGTTTCTT TTTGGCTTAG GCAGGGGGCC AAAAAAGCCT CTTTTTAAGA
11901 CTGAATTGCC AAGAAACATT TAGGAAGAAG ACAACAGTTA GGAAGAAGGC
11951 AACAATACTC AAAAATTTTT CTAAAAATA ATCTTTTTTT CTTACATTAC
12001 TGTGTTTTGA AAGAAAACAA AAGTGATGTA TTTAAATAT TACAGCCGTA
12051 TTAGTGTCAG CAGTAAAGT ATATTCAAAT TACAATAGTA TACTTGTTAG
12101 ATTTTCAGAC TTATTTAAAT TTATCATTCC ACTCTGTTCT TTCAATGTGT
12151 TGTCTGGTG GATTTGTGAG TAGGGAAGCT AATGGTTTGG CTAACACTGA
12201 ATGACATCCC ATGAAATATG GAATAGCATT CTTCAATTA ATGTATGAGA
12251 TAGGGGAATA TCTAAGCTAT TCTAGTAAAT AATAGTAATA ATAAATGTAA
12301 TTGGATATGC TGATCCCTTT ACATTGTCAT TGTGACTTC CTAATTTTTT
12351 TAAAGTGCAA GATTTTTGTG TTAAGCCTAT TAAGTTATTG TATCTCATTT
12401 ATTCAATAAA TAAAGTATTT TAGGATGAGT GCAAAAAATG CAAGAGCAAA
12451 ATTTGATGGG TGTAGTCTAC CTTGTAGGTT TTTTTTCTT CCCCTAAAAG
12501 GGCTTTTTTC ATCGAGATGT TTTATAATAA AAAGTGAGCT GATTTTTAAT
12551 AGAGTCCAGA GGAACCTCAA TAACCAAATC CAGAATTCTT AATGGTTGAT

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12601 GAATATTAGA ATATTCAGTC AGCTAACTTT AATTTCCTGA CCCCCAAACA
12651 AGCACAACAC CCTCAAGTAT AATCTGTAAC TAGCCCTTCT TGCTGTTGTT
12701 TCTACACAAG CAGCCTTTTG GGGAGAATAT TTCCTCCAAC AACTTTTGGT
12751 GCATCCGGCA GCCCAGCTCT CTTCTGGGCA GACAGCAGGC AGTTCCCTTT
12801 TACCATTGCT TACTTTAACT GGATCAGTTG AGGGAGGCAT CTGTTTACT
12851 CAGTCCTTTC CTTCTAAACC GATCTGGTTC CTTTTTGACG CATGAATGTC
12901 TCTCAAGAGT AATATAGGCA ATTTTGGCCA GCACCCAACT TTATACCTAT
12951 TTTGAACTGA AAATTTTAGT TGTGATATCA TCCACCCTTA AGTAACTTGA
13001 AATGAGATAT GTATATGACT TAAATTTAAA AGAAATGAGA AGGGGGAAAA
13051 TTCTCAAGTT AAAATTAGTT TCTGGATCAA TTTATTACTC TTCAACTGAT
13101 TTTCTGGGGG AAAAAAGCTT AGTTGCCATA ACATCCATGT TTAAATAGTG
13151 CACTTTGAGT GATGTGCATG ACTTACAAGT CAACATGAGA GACAAGCAAC
13201 CCTCATGTTA GTAATAGTTT CTTGGTCAGT TATTCCTAAG CTTGGTTTTT
13251 GGAAAGAGTA ATTTGTAAAT TTAATTAAGA GTAATTTGTA CATCTATGTG
13301 GGAAATAAAC ATTGTTGGCA CCAGAGTTCT AAAAGTAGTT TACTCCACTA
13351 ATTGTGCATT GTATAAATAA TGTTATGTAG TATCAAAAAT AAGCAGTTAA
13401 TATTGTGTGA CCTTTATTGC TTTAAAATAC TGTGAAATG AATTTCCATT
13451 CCGTAGTTTA ACGAGAACAC TTTTATTTCT CAGATACTCT TATAAGCCCT
13501 AGTCCCTGCT ACTCACGAAT GAATAATTAT GAACCTTTGA CATGCTATAG
13551 AACATACCTTA TTAGTACAGT AGTGCTGTAT TTATTTGGGT AGTTATATGA
13601 AAAAAAAAC ACCCCAAAGT TTAGTTATT AAGAAAGCAA ACASTAAGCC
13651 TGATGAAATG TGTGGGGGTG ATGGATATGC TCATTATCAT GATTGTAGAG
13701 ATGGTGTCAT GTTTCATGGG TATATACATA TATCAAAAT TGGCAAAATTA
13751 TACACTTAAA ATATGTGCAG TGTATTATGT CAATTGTACC TTAACAATTG
13801 TGTTTAGAAA AAGCAAAAC CCTGTACCAT GATATATGAA AACCCTTAAG
13851 ATTGTTAAAC TGGCTGAATT TGCAGTTACT AATGATAATC ATTATGAAAC
13901 TTGATACCTT CAGCTGAGTG CTGCTTTTTA ATCTTGGGTT CATACCAGCC
13951 AATTTTATTG TTTTATAGCTC AGAGAAAAAT CATAGGCTTT GTTTTTGGTA
14001 CCTTTATTGG GCAAGTGAAG AAGGAAGATC AAAATGTAGT TGATAATATT
14051 GTCCTACATA TAGGTTTCC AACTTTCTAA GAGTGGAAAA TTTGGAACAT
14101 TGAATTTCTG ATTAGAATGT GTTTGGGTGT CAATTTTCTC AGTCTCTCCC
14151 ACATGCAGCA GTCACCTAGC ATTTTAATTA AAGTTTGGTT GATGTTTCCA
14201 CTTCCCTATT AGTTTGAATT TTGAGAAACC CTTTAAACC TAATCACTTA
14251 GCTATGGCTG CTTTCTTCA GGGGAGATT C AAGGAAGATT TGTGGCCCA
14301 CAGCCCTTCA TTTCTCTCT TCTTCTTTG CTTATGTCTT TCATCTCATA
14351 AGCCTCATAC AAATGCATAC ACTGTGAGTT TGGGGATAAT ATCGGCCAAT
14401 CCACTTTTGG CAATATTGGA TTTGCTATTT GGTGATCAGC TGCTTTTAAAT
14451 TTATATTGCT ATTTCAAAGA CATTTTGGTG CAAAGATTAT TGAGCTCTAA
14501 TGAGTAGTTT CTATTATTTT TAGAATTGCT TTAGTAATCA AAATTACAGG
14551 AAGGATTAAT GACAGATGTG AGTTGCAAGG CAGTTTAAAC TTAATTAAAA
14601 AATGAAACAT TTGGGTGTTT CATATGAATT GGACCTGACA CATATCTGAA
14651 ATTGCATTTT AAGTAAGCTT TAAAGCAGTT GACTATTGAA CTTGCAGGGA
14701 GTAAGTACAT ATTCAAAAGG TTTTGAAGAC TGACAACAGT AGATAAATTC
14751 CCACAGATAA AGCTTATTTT GGCATTATTT TGCTAGCTCA CATAACCATA
14801 AAAACTCTGT GTGTGTGTGT GTATGTGTAT ACATACGTAA ATATATACTC
14851 ACGTATATAT ATGTGTGTGT GTATGTGTGT GTTTAAGGTG TGTATATGTG
14901 TATGCATTTT TTAATTGGAC AGTTTTTTAG TTCAACACTA GTTTCAGCAG
14951 CAAAAGTTGT GTTCAGCTGG TAATAATATC CCGTCTGAT GGATGAAGAG
15001 GCAAGGGCTC AATATTTTAT AACTATACTT GGACATGAAC TCAGTATTGA
15051 GTACTTGGAA GTACTCAGTG GAGACTTCTA TTTTATAAAA ATTCAAAAGG
15101 CGATTCCAGG GCAAGATGGC CGAATAAGAA CAGCTCTGGT CTGCAGCTCC
15151 CAGCGAGATC AATGCAGAAG GTGGGTGATT TCTGCATTTT CAACTGAGGT
15201 ACCTGGTTCA TCTCATTGGG ACTGGTTAGA TGTGGGTACA GCCCACGGAG
15251 GGCGAGCAGA AGGAGGGTGG GGCGTCACCT CACCCCGGAA GTGCAAGGGG
15301 TTGGGGAGCT CCCTCCCTTA GCGAAGGGAA GCTGTGAGG ACTGTGCCAT
15351 GAGGAACAGT GCATTCCAGC TCAGCCACTA TACCTTTCCC ACAGTCTTCA
15401 CAGACCAGGA GATTCCGTCA GGGGCCTACA CCACAAGCGC CCTGGGTTTC
15451 AAGCACAAAA CTGGGCAACC GTTTGGGCAG ACACCCAGCT AGCTGCAGGT
15501 TTTTGTTTTT TGTTTTTTTT TTCCCTGTAT CCCAGTGGTG CCTGGAATGC
15551 CAGCGAGACA GAACTGTTCA CTCCCTGGA AAGGGGGCTG AAGCCAGGGA
15601 GCCAAGAGGT CTTGCTCAGC GGATCCCATT CCCATGGAAC CCAGCAAGCT
15651 AAGATCCACT GGCTTGAAAT TCTCACAGCC AGCATGGCAG TCTGAGGTG
15701 ACCTGGGATG CTGTTGCTTG GTGGGGGGAG GGGTGTTCAC CATTACTGAG

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15751 GCTTGAGTAG GTGGTTTTCC CTTACAGTA TAAACAAAGC TGCCAGGAAG
15801 TTCAAACCTGG GTGGAGCCTA CTGCAGTGCC ACAAAGCCGC TGTAGCCAGA
15851 CTGTCTCTCT AGATTCCTCC TCTCTGGCAG GCATCTCTCG AAAGAAAGGC
15901 AGCAGCCTCA GTTAGGGGCT TATAGATAAA ACTCCCATCT CCCTGGGACA
15951 GAGCACCTGG GGAAGGGGC GGCTGTGGGT ACAGCTTCAG CAGACTTAAA
16001 CGTTCCTGCC TGCTGACTCT GAAGAGAGCA GCAGATTTC CAGCACAGCA
16051 CTCGAGCTCT GCTAAGGGAC AGACTGCCTC CACAAGTGGG TCCCTGACCC
16101 CCGTGCCTCC TGATGGGGAG ACACCTTCCA GCAGGGGTCG ACAGGTACCT
16151 CACACGGGAG AGCTCTGGCT GGCATCTGGC AGGTGCCACT CTGGGATGAG
16201 GCTTCCAGAG GAAGGAACAG GCAGCAATCT TTGCTGTTCT GCAGCCTCTG
16251 CTGGTGATAC CCAGGCAAAC GGGGTTTGA GTGGACCCCC AGAAAATACC
16301 AGCAGACCTG CAGAAGAGGG GCCTGACTGT TAGAAGGAAA ACTAACAAAC
16351 AGAAAGCAAT AGCATCAACA TCAACAAAAA GGATGACCAC GCAAAGACTT
16401 CATCCAAAGG TCACCAACAG CAAAGAACAA AGGTAGGTAA ATCCACGAAG
16451 ATGAGGAAAA ACCAGCGCAA AAAGGCTGAA AATTCCAAAA ACCAGAATGC
16501 CACTTCTCCA AAGGATCACA ACTCCTCGCC AGCAAGAGAA CAAACTGGA
16551 TGGAGAATGA GTTTGACAAA TTGACAGAAG TATGCTTCAG AAGGTGGATA
16601 ATAATGAACT CCTCCGAGCT AAAGGAGCAT GTTCTAACCC AATGCAAAGA
16651 AGTTAGGAAC CTTGATAAAA ATTAGAGGAG TTGCTAATA GAATAACCGG
16701 TTTAGATAAG AACACAAATG ATGTGATGGA GCTGAAAAAC AGCACAAGAA
16751 CTTTCATGAAG GAAGCATACA CAAGTATCAA TAGTCAAATC AATCAAGTGG
16801 AAGAAGTAT ATCAGTGATT GAAGATCAAC TTAATGAAAT CAAGTGTGAA
16851 GACAAGATTA GAGAAAAAAG AATGAAAAAG TAATGAACAA AGACTTCAAG
16901 AAATATGGGA CTATGTGAAC AGACCAAATC TACATTTGAT TGGTGTACCT
16951 GTAAGGGACG GGGAGAATGG AACCAAGTTG GAAAAACTC ATCAGGATAT
17001 TATCCGGGAG AACTTCCCA ACCTAGCAAG ACAGGCCAAC ATTCAAATTC
17051 AGGAAATACA GAGAACACTG CAAAGATACT CCTCAAGAAG ACCAACCCCA
17101 AGACACATAA TCGTCAGATT CACCAAGGTT GAAATGAAGG AAAAAATGTG
17151 AAGGGCAGCC AGAGAGAAAG GTTGGTTTAC CCACAAAGGG AAGCCTATCA
17201 GACTAACAAAC AGACCTTTCT GCAGAAACCC TACATGCCAG AAGAGAGTGG
17251 GGGCCAATAT TCAACATTTT TAAAGGAAAG AATTTTCAAC CCAGAATTCC
17301 ATATCCAGCC AAATAAGCT TCAAAAATGA AGGAGAAATG AAACCCTTTA
17351 CAGACAAGCA AATACTGAGG ATTTTGCCTT ACAAGAGGTC CTGAAGGAAG
17401 CACTAAATAT GGAAAGGAGA AACCGGTACC AGCCACTGCA AAAACAAACC
17451 AAAATGTAAA GACCATCAAC ACTATGGAGA AACTGCATCA ACAAATGGAC
17501 AAAATAACCA GCTAGCATCA TAATGATAGG ATCAAATTCA CACATAACAA
17551 TATTAACCTC AAATGTAAAT GGGCTAAATG CCCCATTAA AAGGCACAGA
17601 CTGGCAAATT GGATAGAGTC AAGACCCATT GGTGTGCTGT ATTCAGGAGA
17651 CCCATCTCAC GTGCAAAGAC AAACATAGGC TCAAAACAAA GGATGGAGGA
17701 CTATTTACCA AGCAAATGGA AAGCAAAAAA AAAAAAAGGT
17751 GGTGGGGGGG GTTGAATCC TAGTCTCTAG TCTCTGATAA AACAGACTTT
17801 AAACCAACAA AGATTAGAAG AGACAAAGAG GGGCATTACA TAATGTAAAG
17851 GGATCAATGC AACGAGAAGA GCCAACTATC CTAGGTATAT ATGCACCCAA
17901 TACAGGAGCA CCCAGATTCA TAAAGCAAGT TCTTAGAGAC CTACCAAGGG
17951 ACTTAGACTC CCACACAATA ATTGTGGGAG ACTTTGATGC CCCACTGTCA
18001 ATATTAGACA GATCAACGAG ACAGAAAATT AACAGGGATA TTCAGGACTT
18051 GAACTCAGCT CTGGACCAAG CAGACCTGAT AGACATCTAC AGAACTCTTC
18101 ACCCCAAATC AACAGAATAT ACATTTTCTC CAGCACCGCA TAGCACTTAT
18151 TCTAAATTCG ACCACATAAT TGGAAGTAAA ACATCCTCA GCAAATGCAA
18201 AAGATCAGAA ATCATAACAA ACCCTCTCTT AGACCGCAGT GCAATCAAAT
18251 TAGAACTCAG GATTAAGAAA CTCACTCAA ACTGCCCAAT TACGTGGAAA
18301 CTGAACAACC TGCTCCTGAA TGACTIONG GTAAATAAGA AAATTAAGGC
18351 AGAAATAAGT TCTTTGAAAT GAAGGAGAGC AAAGACACAG CATACCAGAA
18401 TCTCTGGGAC ACAGCTAGGG CAGTGTTTAG AGGGAAATTT ATAGCACTAA
18451 ATGCCCACAG GAGAAAATGG GAAAGATCTA AAATCAACAA TTGTCTATTT
18501 GTGCCCTTTT AGACTTTTGT ATGTGAGCAA GAAAGACCTA AAATCGACAA
18551 TTGTCTATTT GTGCCCTTTT AGACTTTTGT ATTTGGGCAC TTAAGTCTAT
18601 GAATTTTCCT CTTACCACTG CTTTGTGGT ATCCAGAGG TTTTGATAGG
18651 TTTTGTCACT ATTATACTTC AAATAATTTT TAAATTTCCA TCTTGATTTT
18701 ATTGTTCAAC CAACACTCAT TCAGGAGCAG GTTATTTAAT TTCAATGTAT
18751 TTCCATGGTT TTGAGAGTTC CTTTGGAGT GGATTTTCAG TTTTATTCCA
18801 CTTTGATCTG AAGAATACT TGATATAATT TCAATTTTCT TCAATTTATT
18851 GAGACCTGTT TTATGGCTTA TCATATGGTC TGTCTTGGAG AATGAATGTT

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18901 ACACGTGCTG ATGCATAGAA TGTATATTCT ATAGTTGCTG GTTAGTATGT
18951 CCTGTGGCTT TATTAACCTT TTATCTTGCT GACCTGTCTA TTGCTGTCAG
19001 TGGAGTGTG AAGTCCCCCA CTATTATTGG GTTGCTGTCT ATCTCATTTT
19051 TTAGGTCTAG TAGTAATTGT TTTGTAAATT TGGGAGCTCC AGTGTGGGGT
19101 GCATGTATGT TTAGGATTGT GATATTTTCC TTTTGGACAA GTTTTTTTTA
19151 TCATTGTATA ATGTCCCTCT TTGTCTTTT TAACTGCTGT TGTTTTAAAG
19201 TTTGTTTTGT CTGATATAAG AATAGCTACT CCTCCTTGCT TTTGGTGCCC
19251 ATTTGCATGG AATATCTTTT TCCACCCCTT TACCTTAAGT TTACATGAGT
19301 TCTTATGCAT TAGGTGAGTC TCCTGAGAAC AGCAGATGGT TGGTTGGTGA
19351 ATTCTTTTTT ATTCTGCCAT TCTGTGTCTT TTAAGTGGAG CATTATATGT
19401 ATTTACATT CACATTAATA TTGAGATACA TGCTATTCTA TTCCTTATGC
19451 GGTGTGTGCT CTGAATACCT TTTTATTTTT TCATTGTTTT TGTTTTATCG
19501 GTCCTGTGAG ATTTATGCTT TAAGGAGGTT CTATTTTGCT GTATTGCGAA
19551 AATGTGTTTT CAAGATATAG AACTCCTTTT AGCAGTTCTT ACAGTGCTGG
19601 CTTGGTAGTG GTGAATCTCT TCAGTATTG TTTGTCTGAA AAAGACTGTA
19651 TCTTTTTTTC ACTTATGAAG CTTAGTTTCA CTGAATACAA AATTCCTGGC
19701 TGATAATTAT TTTCTTTTAG GAGGCTAAAG ATAGGGTCCC AGTCCCTTCT
19751 AGTAGGGTGT CTGCTGAGAA ATCTGCTGTT AATATGATAG GTTTTCCTTT
19801 ATAGGTTACT TGATGCTTTT GCCTCACAGC TCTTTTTTTC CCCTTAATCA
19851 GAATATGTAT CTGGTTTCCA ATAAAGTGAT TCTTTTTTTC TTTTCTTAAT
19901 TATACTTTAA GTTCTAGGGT ACATGTGCAC AACGTGCAGG TTTGTTACAT
19951 AAGTATACAT TTGCCATGTT GGTGTGCTGC ACCTATCAAC TCCTCATTTA
20001 CATTAGGTAT TTCTCACAGC TCTTAAGATA GTTTCATTCA TCTTGACTTG
20051 AGACAGCTG ATGAGTGTGT GCCTAGGCGA TGATCTTTTT GCAATGAATT
20101 ACCTAGGTGT TCTTTGAGCT TCTCGTATTT GGATGCCTAG ATCTCTAGCA
20151 AGGCCAGGTA AGTTTTCTCT GATTATTCTC TCAAGTATGT TTTCCAACT
20201 TGTAGATTTC TCTTCTTTCT TGGAAATACC AGTTATTCTT TGGTTTGGTT
20251 GTTTAGCATA ATCTCAAACC TCTGGAGGC TTTTAAAAA AATTATTTTT
20301 TCTTTGTCTT TTTTCAGATTA GATTAATTGG AAAGTCTTGT TTTCAAGGTC
20351 TGAAGTTTTT TCTTCTACTT GTCGATTCTA TTGCTGAGAC TTTTCAGTGC
20401 ATTTTGCATT TCTCTAAGTG TGTCATTTC CAGAAGTATC ACTTTATTAT
20451 GTATTCTATT TCACCAAAGT TTTTCTTTTT CATATCTTGT ATCATTTTTT
20501 GATTTTCATTA AGTTAGACTT CACCTTTCTC TGATGCCTTC TCGATTAGCT
20551 AATAATTGAC CTCTGGAATT CTTTTTCTGG CAATTGAGAG ATTTCTTCTT
20601 GGTTCGGATC TGTGCTGGT GAGTTAGTGT GATCTTTTGG GGGTGTTCAC
20651 TTTGTTTTTT CGTATTACCA GGATGTTTT TCTGGTGCCT TCTCCTTTGA
20701 GTAGACTACA TCAGAGAAAT GATCTGGGGC TCAAGGACTG CTGTTTATAG
20751 TCTTTTGTCT CATGAGGGTG CTCCCTTGAT GTGGTGCTCT CCCCTTTCCC
20801 CTAGGGATGT GGTTCCTGTA GAGCTGACCT GCAGTGGTTG TTATTTCTCT
20851 TCTGGATCTA ACCACCAGC AGAGCTACTG GGCTCTGGAC TGCTAGTGGG
20901 GAGTGTCTGC ACAGCATCCT GTGATGTGAA CCATCTTCAG TCTCTCAGCC
20951 CTGGATCCCA GCACCTGCTC CAGTGGAGGT GGCAGGGGAG TGAAGTGGAC
21001 TCTGCGAGGG TCCTTGTTTG TAGTTTGTGT TATTGTACTA GTTTTGTGTT
21051 GGTGGCCTC CAGCCAGAAG GTGGCGCTTT CAAGAGAGCA TCAGCTGTGG
21101 TAGTATAGGA AGGATCAGGT GGTAGGTGGG ACCATAGAGC TCCAGGAGA
21151 ATATGTCTCT TGTCTTCAGC TACCAGAGCA GGTAGAGAAA GACCATTAGG
21201 TTGGGGCAAG GTTAGGTGTG TCTGAGCTCA GACTCTTCTT GGGTGGGGCT
21251 TGCTGTGGCT GCTGTGGGGT ATGTGGGTGT GGTTCCTCAG CCAGTGGGAT
21301 TATGTTTCCA GGGGTATTAT GGCTGCCTCT GCTGCATCAT GCAGGTCACC
21351 AGGGAAGTGG GAGAAAACTG GCAGTTACAG GCCTCATGCA GCTCCACGCT
21401 ATCCCAAAAG GCCAGTGTTA CTCCTACCGT GCCCTCTCAA TAGCACTGAG
21451 TTTATTTCCA GGCAGCGGGT GAACAGAGCT GGGAACTTTC CCCAGGCCAC
21501 CAGCCTCCCC GCTGAGAAAG CATGCAGGAC TTTGAGGTTT TGTGTTTCCC
21551 CACCTGCCGC AGCTTCTGTG CTGTGTCTGC ACTCCCTATT CGCCCCCTCC
21601 CCCAGGTTCT GTCCAGGAAA CTGCGTTTGG TCAAAATGGT TACAAAGTTC
21651 AGCTGGAAGT TTCTTCTTCC CTGTGTTCTT TTCCAGTTTC CTCTGGCAGC
21701 CCTCTCCAAG GACCCCTGTG AGACAAAGTC AGAAACGGCT TCGCTGGGGA
21751 CCAAGAGTGC CCACAGGGCT CTTCTGTCTG CTGCTTCTAC ACCTGTATTT
21801 CACTTGGCTC TCTAAATTG TCTCAGCTCC AGGTAAGGTC AGATCCTTCT
21851 GTGATCTGGA CCTTCAGGTT CCCCAGTGAG GGTGTGTGTT TGGGGGCGAG
21901 TGATCCCTCT TTCACACTTT GGGCACTCAG AGTGTTTTGG CTGTCTCCAG
21951 GTGCCTGCAG CAGCAATCCG CTTCTTCAA AGGATCTGTG GATCCTCTCG
22001 CTTTCTGCTG ATGTTCTCTG GGTAGTTCTT GGAGCAAAAG TTCTCTGTAT

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22051 GAGTCTTCAC ACGCTGCTCT GTCTGTCTGA GTGGGAGCTG CAAGTTAGTC
22101 CTGCCTCCTA TCCACCATT TTTTCTCTAG TGTCTGGCT AGTAATTTCT
22151 GAGTGAATG ATGCATCATT TACATGTCAC TTCAGCCTAA GGAGTAGAGC
22201 CCTCCTGACC TTGGAGCTTC TCTTCTGAGC TCTTGCAATTG AGACGCTGGC
22251 ACCTGTGTAC AGAAGCACTG TAAGGAGGAT AGCTGCCTGC TGACTTGCTC
22301 CGCCTACGGA AGACTTGGTG TCCATTTTGA CTTCCGCAAC CTAAGGCTTG
22351 AACTAGTATA GCCTTTTCTA ATTAATAGTA CATACAATAA CAATGATTGC
22401 TTTTGGTTG TAGTTAGCTA AAAGTTTCGT TAGTTTAGTA TTTTGGTTCT
22451 AAAACACATT TTAATTTTC TCTGGTTATA CATTCCATGT AGATTAAAGG
22501 CATAAATCCA TGTAATAA CAAATGGACC TCATGGTATG GACTCAGCAT
22551 GATTATGTT TATGTAGAAT CTAGAGACGA ATTTAGAGAC CCAATTTTCTAG
22601 ATACATAATT TCTGTGCAGT TTTTGTACCA ATTAGCAAAG AGATGATTGA
22651 CGGTTGCTAG TCCTGTGAAA CAGCAGTAGT TACGCAGTAT ATGTCCTAGT
22701 GGTATGGAGT TTAAGAATGA AAATTTTATC CTAAGACTTA GCCCACTTGT
22751 ATCGTCACTC TATACGTCAT TTATTTTGGG ACTCTTCTTG CTTTTAGATG
22801 ACAATTTACA AAATTATTG TCATTTCTTT AATTGGTATT TGTACTTATG
22851 TCCACAAAC GGCTTAATTT GTGTGTCCAT CAGTGGCATG TTAAGCCCAC
22901 TTTAGCCCAT ATATGTTACT CAGTGTGTGC AAACGTGTAT TTTCTACTAA
22951 ACGGTATCTA TTTCAAGAGT TTGTCAGATA AACTATGCAG AACCAAGATG
23001 TCAGTTTGT GTTTTATTT CCTATATTGC CTCATTTATA ACAATAATAT
23051 ATGATCCTCC AAATTTGCCA GATATTGTTT AAACGTGCAT TTCTAAAAGT
23101 AGAGATCTTC TGAGGATTTT TTTGTTTTTT AAACATATA TCTATGAATA
23151 CTTTAACTA CATGTTATA ATAACAAAA CAATTTAAAA AAAGTTGTTG
23201 CTTGTGACAA CACTAACGTC AAGGAAATTT TGTTTAGATT GGGAAAATAA
23251 AACAGGTGTT TCAGTCCAAA AAAAAAAAAA AATCAAAAGG CATTAATATG
23301 GCCCTATTG AAAAGCCAC ACTGAGAGGC ACTAACTACC CATGCCTTTG
23351 CAGTGTGAGG TTAATGGGGG GGTGTCCCT CAGCAGCTGC CTCAAGCTCC
23401 TGCTTTGCCA TTAACCAGAC TCACTCCAGG ATTCCTTGA AACTGTGTGC
23451 CTACCTGAAT AATTTATTAC CTAGTGATCA ATTATTCATA ATTCTTTATT
23501 ACAACGAAAT AAAACCTAAA GGTGGAATCA TTTTGCCACT TATGAATATC
23551 CAACAGATCA TCAGGAGATT GCAGTAGAGT TTTAAGCCCT TGCGGTCCCC
23601 ACTGCCTGTT TGTTTCTCTG AAGGGATTCC ACAGAGAACA GCCTTCTGAG
23651 ACAGGATCAG AATCAAAGAA AGCAGTAACA AATGACTCCC TGCTGGTCGT
23701 GCTGCACGGT TCATCTATT CAGTGTGTTG TCTTTTAAAT TCTGGCCTCA
23751 TTTATACCTA GAAATAAAAT TTCAATTTGA AAGAATGTAG GAGACTTTTA
23801 TGACACCGTT GGTTTATTAA ATCATTCTTA GGAGGTAGAC AAGGACATAA
23851 AACTTACACC TTAGGTATCT TCTGGAATAA AATGCAGGAA CCTTTAGTAC
23901 ATTTTATTGA CACTAATCAT ATTGCATTTG CTTGTTTCAT CAGTTATATC
23951 TGAGTTATAT TTTATTTATT TATTAGACCA TATAAAAATG CCATATATTT
24001 TCCACATATA TAGAAAGCAT TTTAGTAAAA GTTCTCTGAA AGTATAGTAA
24051 GGCCAGGCAT GGTGGCTCAT GCCTGTAATC CCAACACTTT GGGAGGCTGA
24101 GGCAGGAGGA TCGCTTGAAC CCAGGAATTC CAGACCAGAC TGGGCAACAT
24151 TGGGAGACTC TGTCTTTACA AATAGTAATA AATAGTGGGC ATGGTGGCGC
24201 ATGCCTGCAG TCTGTCCCAG CTACTCGGAA GGCTGAGGTG GGAGGATTGC
24251 CTTAGCACCT GAGGTGGTCA AGGCTGCAGT GAACTAGAAT TGCACCACAG
24301 CATCCCATCC TAGGCGACAG AGTGAGACCC TGCCCTCCAA AAAAATTAGT
24351 ATAACCAAAT GAAGCCTACT TCTTTAAAT TTGGGAAATG TAGTGGAAAA
24401 TTGTTTAGCT TAAGCCAGAC TACTTAATTT TAAAAATAAT CAACAAGTTT
24451 TAAAAAATAT TTTGAAAATA CTTGGAGAGT TTTAATTTCCA GTTACATTAG
24501 ATTATAAAGC AGAAGGTTTG CCTTTGAGGT TTCTTGCCCT CCAACCAGTT
24551 GGCTTTCCGT TGGACACTCT GGCAGTGGG AGTGCACATA ACTCTGTGAC
24601 ACTCCACATT TTGGGTTGTC ATTTCACTGT TGTGGCATT TCTCTGTAGT
24651 TACTTCCAAA ATAAGTTAGT ACTAATTTTG AGCATGAGTC CTGGGACCCCT
24701 GGGGTTAATA TTTGCCAGGT CTAAAATACC CCGGCCTGTA GATAAAAAATC
24751 CCAAAGTGT AAACAAGTAC TTTTGTAGTG AGATTCCAGA TCATTTTTTG
24801 TATTGATGTT GGTTTACCAA ATGGAATGAA GGCTAAATGT TTAAGCAACT
24851 TTTAAATGGC CTAAACCCAT ACCTTTCACA CAAGACCCTA CATATCTCAG
24901 ATAACCTACC AATCAGAGTT TAAATATGGA TTTAGTTGTA CTGTTGTGAA
24951 AATATGTGGG TAATTTTAA AACCTTTAAA AATATATATT AAGAAAATTT
25001 TTTTTTGATA CAGGGTTTCA ATGTTGTCCA GTCTGGTCTC AAACCTCTGG
25051 TCTCAGACTC CTGGTTTCAA CTGATCCTCC CTCCTCAGCC TCCAGAGTAG
25101 TTATGCCCTG CTCTTAAAC TCTTAAGACA AATTGAATA TGTGATGGAG
25151 TAGAGTAAAA CATTGTCATG ATTTTGTGACT TTATAATATA ATTTTGTGATA

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25201 GGTACACAT TCACATGGCT CAAAAACAT CAAAAGATCA AGTTTCGAGT
25251 TTCTCTCAT CCTTCTCTCC CCTTTTTTGA GTTCTCATCC TCTTCCCCAA
25301 AAGGTAACCA CTGTTAAGAG TTTCTTCTGG ATCCTTTTAG AATTGCTTTA
25351 TGCACACATT AGCAACTTAA GAATACAGAG TCTTATTTTT CCCCTTTCTG
25401 ATAAAAGCTA GCATATTATA CACTTCTGGT TTTTTTTGTT TTTTTTTTTT
25451 TTTGCTTTTT TCATATGACA CAATATCTTG GAGATATTTT CATGTTAGTG
25501 TGTAAGCAT TTCCCATTTC TTTTTTTTTT AAACAGCTCA ATAGCATGTT
25551 CCATGGTGTG GTTGTAGTAT AATTTATTTA ACCATTTTCC TGTTTCATGCG
25601 CATTTGAGTT ATATTAAATC TTTTCTTATT AAAAATATCA CTGCAGTGGA
25651 TAACCCTGAA CATTTGTCAT TTCACAAACA TGCCACTATT TCTTGCATGA
25701 ATTTTAAAGA TAAAACATAA CATTTTCAGAA ATGTGCTGTT TTTAGCAGTC
25751 TCATTCCAGG GGTTTGAATT TATCCTTCTT TACTATCAGG GGTGTTTTGC
25801 TGGCAACATT TGAGAAGTTC TGCCATAAAC TTGTTATTAA GGCCTAGTGG
25851 TAGGATGATT TTTCACTTTC AGAAATAACT GCTGTGAAGT GATAGTGACA
25901 ACAGTGTTAC CTTGCCACCG TATGTCTCTC GAAGGTAGTA TAAGAAAAC
25951 GTAAACCTGG TGGCAAATTA TTTATGAGCA GAAATTATGT TGTAAAATTG
26001 TCTAGTTTTT TTGTTGGCAT TTGATAGAAT GAAACACTTG CAGCTATGAG
26051 TTTTTGGAAT AGGCCAGTA CCCTCTGACC TAAAGCCCTA CAGCACCAAA
26101 CTCTGATGTC TTGAAAAATA TTAATAGGTG GTTTACCTAA AAAGATTTC
26151 ATGATTATAC AAGCTTGGA AACTGCGGT TCCACAACAT TGAACCAGTT
26201 TCTTTACTGA AGAATCTTTC AGATCCTTAA ATTTGCTGGG GTAAATTGTA
26251 ACTTTTAAAG CCTGGATGTA GCAAGCAGCA TTTCCAAAAC AAGTTTGACT
26301 ACTGAATCC TCTTCCCGC CCCCCTGGAC ACTCTTATTA GCATTAATGT
26351 ACCAAGGAGC CCTAATTGGG AAATACTACC CATGTTGGAT ACCATGGGCC
26401 CCATATTCAA ATTAGTGGTC ACAAGCATAT GTGATATTTA CATTTACAAA
26451 AGATTCACTG AGGGAATAA GAATAAAAGT CATTATTTAA AAATTGACCA
26501 TTATGAACAG TAGATGGTGG TAATGTAACA TGCAGACCAA CTATTAAGAC
26551 ATGTCAACAT TTCCAATGGC AGCATTAATT CAAGGTCGAA AATGTCCTAA
26601 TTTAATTACA GTCTACCAGT ACTTTAATT TCACCGGCTA AATTAATAAA
26651 AGGCTAAACA TAGGTATTTA ACAAATTTT AATTTCTCCC TAGGAAAAGC
26701 AGAAATTGGC TGAGAAATAA ATCTGAAGAA ATCTTTTTAT CTTACAGAC
26751 CATTGTAAC TGCATGAGCC AGATCTGGTT TTTCTTGCCA TCCATGTATT
26801 AGATTGATGT TTCCTAGCTT GTGTGTACAC AAAGGTATAT GTGTATTCTT
26851 TCTTTTTTAA AAGAAAAGG CATCAATTTA ACCAACTTA ACTCTCCAGT
26901 GTCCATGAGA ATGGCAAAGA GCAGTTTCAG TCTGAAGCAT CTGAAGCAGC
26951 CACCGCTTT GTACTCCAGG AACTGACATT TGGGCTGAAA ATAGGATGTG
27001 AATGCCAATA GCTCTATTAG AAGGGCCAAT GGGATGAGAG ATCAGGGTCT
27051 CTTAGAAGTT GAGAGGGATC TGAGCCACTT CCATTCTTTT GAAGTCTATT
27101 TAACTATAAG ACTGTGTAAC ACAGGACAAC AAAAATGGGA TATGCTTTAA
27151 ATATTTACAT TTGACAAAAA ATTAACATAC CAAAATTCAA TACAATGTGA
27201 CTACACAAC TACAAGATTA TTATAAATTT TAATTCCTAG TGTATTAGAC
27251 TTGGGGTGGC CCAGAAATGG GACACACATT TAAAGTTGTG GTGAACATCT
27301 TTCCAAGCTG CCAAGTGTGC TTAGGGACAG AGGGGTGAAC CCGGTTTAGA
27351 GCTCTTATTA AGAGTCAACA TTTGGCCAGG CAGGGTGGCT CATGCCTGTA
27401 ATCCCAGCAC TTTGGGAGGC CAAGGCTGGT GGATCGGTTG AATCCAGGGG
27451 TTTGAGACCA GCCTGGGCAA CATGGCAAAA CCCCATCTCT ACAAATATA
27501 CAAAATTAG CCGGGTGTGG TCCCAGCTAC TCTGGGGGCT GAGTTGGGAG
27551 GATTAAGCTT AGGAGGCAGA GGTGTCAGTG AGCTGAGCTC ATGCCATTCT
27601 GGCCTGGGTG ACAGAACCAG ACCTGTCTC AAAGAAAAAA AAAAAGTCAA
27651 CATTTGAAGC CCCTCATAAA TCTGCAGGCC TGAGAAAAAG AGACATGGGT
27701 CCTGATGCAG ATGATAAATC TAGAGGAACT GCAGGGAGTG GAGGTTCTTC
27751 CGTGAAGGAT ATCTCAACTT ACCTGATGGA GGGGAACAT GGCTCATATC
27801 TGCAATCCCA ACATTTTGGG AGGCTGAGGT GGGTGGATCG CTTGAGCCCA
27851 GGAGGTGGAG AGCAGCCTGG CCATTATGGT GAAACCCTGT CTTTACGAAA
27901 AAAATAAAAA AATTAGCCAG GCATGGTGGC ACATGCCTGT AGTCCCAGCT
27951 GCTTGGGAGG CTGAGTGGG AGGATTGTTT GAGCCTGGGA TGCAGAGGTT
28001 GCAGTGAGCC TAGATTGCGC CATTGCACTC CAGCCTGGGT GACAGCCTGC
28051 CTCTAAATAA ATAAATAAAT AAATAAATAA ATAAATAAAT AAATAAATAA
28101 ATAAATGTAC CCGGTAGATA TGGAATTGCT GAAGATGGCT AAGGGAGGGG
28151 TTTTATCATT TAGGTTGATG GTTGTACCTT AGTTGGTGAA ACCAAGGCTT
28201 GAAATTACCC TTCTAAGGTA CAGTTGGGCA GTTTTTTCAC CCTGCTTTTT
28251 CCTTTTTTCT GATCCAAGGG CGAGCTTGCT TCACCTTTCT TTCCAGATGT
28301 AGCAGAAGGA CTAGCCTCAG GCAAGCAAGG CTGATGTCTT AATAAACTGT

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28351	CTAGACCATG	GCATCCCTGG	GGCAAGAGAG	CCTTGATGTC	TTGCTGTGTT
28401	CCCCAGGCAG	GAAGGGGGTC	ACTTTGATTT	GAAGACCTAT	CTATCTCTTC
28451	AGGTCCTGCA	GTAaaaaaATA	GAGACGCGGT	TTATATCAGC	CAAGTGCPTA
28501	ATGCAATAGA	ATCATTTAGT	CTGTAAAAAT	TAGGAAGTAG	TGTTTACTAT
28551	AAGTAATGTA	CAATGTGAAT	GTCTTCATT	AGTCTTTGGT	CAATGGATAG
28601	ATTGCTGACA	ATGTCAGGCA	CTGTTTTCAG	CAGTGAACAA	AACAAAGTCT
28651	CTGTCTCAG	GGAGGGGACA	GTCTAGTTAG	GCTTTGGAAG	GAAATAGACA
28701	ATAAAATACAA	ATATATAATA	TACTAAAAATG	TGATTAAAGG	CTATAGATAA
28751	AAATAAGGGG	CCAGGCATGG	TGGCTCACTC	CTGTATTCTT	AGCACTTTGG
28801	GAGGCTGATA	TGGGAGGATT	GTTTGAGGCC	AGGAGTGTGA	GACCAGCCTG
28851	GGCAACATAG	TAGGACCCCA	TCTCTACCAA	AAACAAAATC	AGGATGTGGT
28901	GGCATATGCC	TGTAGTCTTA	GCTACTGGGG	AGGCTGAGGT	GAAAGGATCA
28951	CTTGAGCCCA	GAAGTTTGGAG	GCTACAGCAA	ACTATGATTG	CACCATTGCG
29001	CTCCAACCCA	AGCAGCAGAG	TGAGACCCCTG	TCTTTAAAAA	TAATAATCGT
29051	CATGAAATAA	AAATAAGGAA	AGAGGATAAG	GAGTGTGAG	TGTATATCTG
29101	GTAATGCTA	CTTGGTAGTT	CATATTACGT	TTGGTATTAA	ACAGCAGTAA
29151	ATATTTAGTC	TGACAAAAAC	ACCCAAAAATG	AAAGATCATT	GGAAGAGATT
29201	TTGGAGCAAA	ATTTACCATT	AAAGCTCTTG	TTTTTCCAGT	AGCAGGATAC
29251	AGTATTCTTA	CTTATGTTTA	TGTTTCTGTG	TCTGGGCAAT	AGTGCAAAGA
29301	GACCAAGTAT	ACTGTGTGTT	AATCAGTTCC	CTTTTCTGG	AGAGTTGGAA
29351	CCATTTTACA	GGGGAGTAAG	GCATGAATGA	GGGTGGGGAG	AAGGGGTACT
29401	TGGGTTTCT	TCCGAAGGGC	TTCATTTTAC	TGCCTTGAGA	TCAGTGAAGA
29451	CTTTCACTTT	CAGGTCTCTG	GGCTGGTTCT	GTCTGTCTCT	GCCTCATTTG
29501	GGTGTTTCTG	TCTGCTGAAG	AGATTTCCGA	CTGGAATGAT	TGGGCGCTAT
29551	GGATTTGGAA	TAGATAGATC	TAGATTGGTG	CCCCATCTCT	CCCCTTGTAG
29601	ACATGGTCTC	CTTGCCTATG	TTAGGAGTTA	GGTGTTTTCA	GAGAGACTGT
29651	GTTTTCCAGA	TTTCAGCTTC	ATGCAGTGCC	TGAAGATATT	TTATTCTCT
29701	AGCAAGGGTC	AGGACACTCA	CTGTGTTTTT	CCCTTATCAT	GGTTAGATAT
29751	GAAGGACCTC	AGGGGAAATC	ATCCACTTGG	GGCCGAAAAG	CATCCAGACA
29801	CTCTCATTTT	GGTTTCTCCT	GGGGAGCTCA	TGGTTCTGAT	GTTCAGTGAC
29851	TAGTGTTTAT	TCTTAACAGT	GTTACCCCAA	GATCAGAGTG	CTCTCTTTCA
29901	GAAGATATGC	TACATGTTCT	AGTGAGAGAA	ATACACAAATG	TTTGAAACTC
29951	CCTGTGAGTC	ATATCCCTAT	TGGTCAGAAA	TCATTGCCAG	CTTGTTCTCT
30001	ATGGTTCTAG	TGGAGAACAG	AGAGAAACTT	GCTCTGTGCA	TCCTGATGTA
30051	CAGTTGTGTC	ATCAAGGGCC	TCCCATTTCT	GCCTTGAGAG	AAGATAACAA
30101	AGGGGGTCAA	AGCAGATGCC	CTCTATGTCT	ATAGGGATCG	AGCCACAGGG
30151	GCAAGCCCTC	CTGTCCTGGG	TTTCCAGTTT	TTTTTTCTG	TTGTTGTTGT
30201	TTTTATTATT	ATACTTTAAG	TTTTAGGTTA	CATGTGCACA	ATGTGCAGGT
30251	TAGTTACATA	TGTATACATG	TGCCATGCTG	GTGTGCTGCA	CCCATTAACT
30301	CGTCATTTAG	CATTAGGTAT	ATCTCCTAAT	GCTATCCCTC	CCCCCTCCCC
30351	CCACCCACA	ACTGTCCCA	GAGTGTGATG	TTCCCTTCC	TGTTGCCATG
30401	TGTTCTCAT	GTTTCGATTCC	CATCTATGAG	TGAGAACACG	CGGTGTTTGG
30451	TTTTTTGTCC	TTGAGATAGT	TTGCTGAGAA	TGATGATTTT	CAATTTTCAT
30501	CATGTCCTTA	CAGAGGACAT	GAACTCATCA	TTTTTTATGG	CTGCATAGTA
30551	TTCCATGGTG	TATATGTGCC	ACATTTTCTT	AATCCAGTCT	ATCATTGTTG
30601	GACGTTTAGG	TTGGTTCCAA	GTCTTTGCTA	TTGTGAATAA	TGCCGCAGTA
30651	AACATACGTG	TGCATGTGTC	TTTATAGCAG	CATGATTTGT	AGACCTTTGG
30701	GTATATAACC	AGTAATGGGA	TGGCTGGGTC	AAATGGTATT	TCTAGTTCTA
30751	GATCCCTGAG	GAATCGCCAC	ACTGACTTCC	ACAATTGGTT	AACTAGTTTA
30801	CAGTCCCACC	AACAGTGTA	AAGTGTTCC	ATTTCTCCAC	ATCTCTCCA
30851	GCACCTGTTG	TTTCTGACT	TTTTAATGAT	TGCCATTCTA	CCTGGTGTGA
30901	GATGGTATCT	AATTGTGGTT	TTGATTGCA	TTTCTCTGAT	GGCCAGTGT
30951	GGTGAGCAAT	TTTTCATGTG	TTTTTTGGCT	GCATAAATGT	CTTCTTTTGA
31001	GAAGTGCTCTG	TTCATATCCT	TTGCCACTT	TTTGTATGGG	TTGTTTGGTT
31051	TTTTTCTGTA	AATTTGTTTG	AGTTTATTGT	AGATTCTGGA	TATTAGCCCT
31101	TTGTCAGATG	AGTAGGTTGC	AAAAATTTTC	TCCCATTTTG	TAGGTTGCCT
31151	GTTCACTCTG	ATGGCAGTTT	CTTTTGCTGT	GCAGAAATC	TTTAGTTTAA
31201	TGAGATCCCA	TTTGTCAATT	TTGGCTTTTG	TTGCCATTGG	TTTTGGTGTT
31251	TTAGACATGA	AGTCCTTGCC	CATGCCTATG	TCCTGAATGG	TAGTGCCTAG
31301	GTTTTCTTCT	AGGGTTTTTA	TGGTTTTAGG	TCTAACATTT	AAGTCTTTAA
31351	TCCATCTTGA	ATTAATTTTT	GTATAAGGTG	TAGGAAGGGG	ATCCAGTTTC
31401	AGCTTTCTAC	ATATGGCTAG	CCAGTTTTC	CAGCACCATT	TATTAATAGT
31451	GGAATCCTTT	TCCCATTGCT	TGTTTTTCTC	AGGTTTGTCA	AAGATCAGAT

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31501	AGTTGTAGAT	ATGCGCGGCTT	ATTTCTGAGG	GCTCTGTTCT	GTTCCATTGA
31551	TCTATGTCTC	TGTTTTGGTA	CCAGTACCAT	GCTGTTTTGG	TTACTGTAGC
31601	CTTGTAGTAT	AGTTTGAAGT	CAGGTAGCAT	GATGCCTCCA	GCTTTGTTCT
31651	TTTGGCTTAG	GACTGACTTG	GCGATGCGGG	CTCTTTTTTG	GTTCCATATG
31701	AACTTTAAAG	TAGTTTTTTC	CAATTCTGTG	AAGAAAGTCA	TTGGTAGCTT
31751	GATGGGGATG	GCATTGAACT	TAGTTTTAGA	GAGAGCGATA	CCAGCCCCAG
31801	ATTAGAGCTG	CTTGGACATT	GAGGAATCTC	CCCTTTAGGC	TGAGGACTAA
31851	AAGAAAGCTG	TGGGTGTAAT	ATCTAGATAC	TGCATGTCAT	TGTATTTTAT
31901	GTAATAACAA	CCCATTGACT	TATCTTCATC	TCTTTATGCC	TCAAGATATC
31951	ACAGTTCCCT	TAAGAGATTC	ATACTACAGT	CAACTTTTATG	CCTCAAGATA
32001	TCACAGTTCC	CTTAAGAGAT	TCATAATACA	GTATAGACAA	GAGAGGGAAA
32051	TCAGGCCCTAA	TTTTAGCTGC	TAAGATAGTC	ATACCTATTA	GCTCTCCCAT
32101	CCTCACAGAC	AAGTCTGTCT	GGGTAAACAG	AATATCCCTT	GGTTACAAC
32151	GAGGTAAGTG	AGAAGAGGCA	ACTAGCCCAA	ATGGAAGTAA	AATTTTCATA
32201	AGCTAATAAT	ACTTCTATTC	CAGAAAATTT	CCATTTTCCG	TATTAACAAT
32251	AGTGTAACCT	TTTCTTTTGA	AAAAATTAAG	TACTTCAAAA	GCATCTTTTC
32301	ATTTGGTTTT	ATAGTAGTTC	AATCAGGAGC	CTTCAAAAAG	AAGATTAATA
32351	AAATTTGTTAA	TACAAGGTGT	TACTGATCTG	TGGTTCCAGG	GAACCGTTAA
32401	TGAACAATGA	AAATACATTT	GAAATTATGT	TATGGAGAAG	TATCAGTCTT
32451	CTTGGTTCCC	CTGAAAATAT	GTTTTAGCTA	ATCAAAACTA	CTATGAATTT
32501	TATTTTGAGG	TACTTTTATC	TGGAGCTGGA	GAATAGAATA	CAGAAAGAAA
32551	TTGTATATGG	TAATAGTAGC	ATGGTGATAG	CATATGCCCA	AACCCATCAA
32601	ATTGTATACA	TTAAGTGTCG	AGGTTTTTTT	GTATATAAAT	TATATCTCAA
32651	TAAAGTTGTT	ATAAAGAGGA	GAAATATGTA	CATTAATTTT	TGTGTTTTAC
32701	ACATATTTTT	GATGTTACTG	TAAACATATT	ATGACTTAAT	TTTCATATTT
32751	TCCTGAACCT	TAGAAATGTA	ACCCATAACA	AATAAAACCT	GGTTTTGAAC
32801	ATGTAATAAA	AGTCCCATCA	GAGGCACACC	ATTCAATTGAT	GCCCTTTAAA
32851	TGTACAGATA	TGTGCATTTA	ATTATTCCAT	ATAGCCCTTT	CAGAAGCCA
32901	AATTAAGCTC	CATCTACATA	GTGTGAAGTA	TATGCGTTTA	ATGGACTTGT
32951	ATCAAAGTAT	GCACACAATT	GACTCCCATT	TGCATTGACA	GATGATGTTT
33001	TAGTTCTTTT	AAGTGTTTCT	GTAGCCTCCT	TGACTTCCCC	ATCTGCAACC
33051	ACCATCTTGC	ACCTCTTTCA	GAGAACCTAC	TGTATTGACA	GACACATAGA
33101	GGGTTGACAG	AACTGAGCCC	TGCCTCACTT	AATGGAATAT	GTAAAAGCAA
33151	AGTTGATCCA	GTGACCAAGA	ATGAGGTTGG	TTAGTTTAGC	AAGAGTCAGT
33201	TATAAATAGG	TTGTATGCTT	GACTAACACA	GACAGGACCA	GCTATATAAT
33251	TTGTGGGGCA	CAGTACAACG	TGAAAAATGC	ATAGTCCCTT	GTTAAAAAAT
33301	TATTAAGAAT	TTCAAGCCAG	TGATAGACAG	GCATTAATCC	AAGTGTGAGT
33351	CTCTTTTAA	CAGTGGGCCC	TATGTGACTG	CACAGGTACT	ATGCCAATTC
33401	TATGGCCTTG	AACACAGAAT	ATTATGGATA	TTGTCATGGG	GAAGGAGGGC
33451	AGTTAAAGTG	TCCCTGTGTA	AAAGACAGAT	GTATGACATA	GTTCAGTAGC
33501	AATCAGAATA	ATTGAACAT	TTTGGCTCTA	AGGGTCTAAA	AACAATGAGC
33551	AAGGGTGAAG	TTATCTCAT	TGAGCAGATC	TGTATAACCT	CACATGGAGT
33601	TTTAAACATA	AAGGTATTGG	AGGCCATTTT	TAGTGAGAGA	AAATATGCTT
33651	GGTCTTGCCC	TTGTTAACTG	GCTCTGGTTG	CTTTTTTTCAT	CGAGGCAATT
33701	TATCTAGCCT	TCTAATAATT	CAATCCAAGT	TTATCTGGCA	AAACATTCTC
33751	TGGATTGAAG	GATGATGGAT	TAAGTATAGG	TGTGTTTCAC	ATTCACCTCT
33801	CTTACTTTCC	CAAGTTTTC	TGATCCTAAG	CTTACATCTG	TAGTTTTGAT
33851	CTTTTCATCCA	TTTTTTTAAT	CTCATATTTT	CAGAGATCTA	AAAGGAATTT
33901	CCACTTTGAGT	ATCTAGGCAG	TGTCAAAAAT	TTAGCAAAATC	AAATGGAAAT
33951	TATCTTTTTC	TTGGGTAGAT	ATCATTTCATA	ATTCTGAAGA	CTGGTAAACA
34001	GTATCACATG	TGACTGTCTT	CTCTTTGCCC	AGATTGTTTT	CCAAAGTGGC
34051	TGTACCATTT	TGCATTCCCA	CCAGCAGTGT	ATGAGGGTTT	TAATTTCTCT
34101	TCATCCTCAC	TGATACTTAT	CATTTGTCCT	TTTGATTCTA	GCTTTCCTAG
34151	TATGTAGTAT	GTGTAAGTGT	GTCTCCTTGT	GGTTTTGATG	TGCATATGCT
34201	TGATAACTAA	AGAGACTGAG	TAGTTTTTAA	TGTGCTTATT	GGCCATTTCT
34251	ATATCTTCC	TGGAGAACTG	TATTTGTTTG	TTTTTATATT	CCAGTCCCC
34301	CATCCAGAAC	TGGGCATACT	GTAGGGACTC	AAAAATGAAA	GTCATAAAATC
34351	ACTTGTAGCA	GAATCACCTA	CAGCTCCGAG	AACTCAGCTG	AAACCTGCTA
34401	TAGATCAAAC	TTTCCACACT	TAGGCCTAGA	GATCTACATT	TAAACAAGAT
34451	CCTGGGGGTC	CTGTTTCACT	CTGAAGTTTG	AGTAGCATTG	CCTTAACTAA
34501	AGATTTTTTA	AACATCTGAA	GAGCTTCAGT	ATATTACAGG	GTAACATATG
34551	TCTATGCTGT	TCTAGACTGC	AGAAGTTGGG	CTAGCAGACA	AGAATCACAG
34601	GAGGAGGCAC	ATTAGCTCAT	TAAAGTGGTG	CAAGTTGAGT	TTAGCTGGCC

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34651 CATCTGCCAC AGAAGGAAGT CTTGCATTGG GTAGAATGTA GGGCAGGTAG
34701 GGCAGGATGT AGTCTTTCTG GGGATGTTAT GCTATTTCTA TACCTGGTAG
34751 ACCCATCTA ATTTTATTC TGCCTTATGA TCAGATAGTG TATCTCGGTG
34801 TTGGCTATAT ATAAATGAC AAAGTCTCTT CTCAAGGACA GTGTGTAATT
34851 TTTTCTACT TCTGTTTCAT TTCCCTACTC TTGCTTTTCT CTGAGAAAGG
34901 GAAAAACAAGA TTTCACCACT TCTACACAAA GTAATTTACT TTAAAGACTG
34951 CTAATACATA TGTATCCTCC TTTCTGTTAT CTTATCAGGT CTCTCGGATC
35001 CAAGCAACAA AATAAGACTT AGCATATTGA CCGGAGCCCA AAAGGAATTT
35051 ATTATAAATT TAATGGGTGG GTCACAGATT CACCAAGGAT TTCTGGAGGG
35101 CCAGACTAAG GACAACCTCC CTGCCATCAC TGGTGCTGGG GCCCATGGCA
35151 CTGCTGCCTA GGAACCTCCAT CGTGCTGCCT CTGCTACCAC CACAGTGGCC
35201 TTCTTGAGGC CCCTCATTCT TGATGTCATC AGCACCCAAT TCTGAGTCCA
35251 GGGCATCAGA CTGTAGCGTA CACCATGTTC AATCAAAAGA TAACTGAGTT
35301 GATAACGAAT GAATTCAATG GGCAC TAGTA ACAGTAGGCA CCAAAGAGCA
35351 AGTAAACAA GTAAAAACA AACAACAAAT AAAACCCAAA ACCCTCCTCT
35401 AGGAGCTTAC ATTTTAGGGG AAGAGCTGAG GCACACAAA CTTGTTAGGC
35451 AACAACTTC CCTATACCA GGAACACGAT TTAGGGTGAC AGAACATGTG
35501 TGTACAGTA TAATACAGT GTTGTGGAGT AATTTTCATA TTGTTGTGTA
35551 ACTTGGGAAT AGATGTACAT GGCAGCTCCT ATTTTCCCTG GAACTCTGAT
35601 CACCAACAA GGTATTCAAC CTTGTGATCT GAACCGGAGA ACCTTCCAGG
35651 TTAAAGGCTA AAAATGCCTT TGCAGACTTT CTCTCCTCTG CTGCCCTCTC
35701 ATTACTGTAG CCTGACTTTT TAAGAAACCA ACTTTGTTGA AGAATAATTT
35751 ATAGACAATA AAGATACCC ATTTGAAATA CACATTTCTA ATAGTTTGA
35801 CAAATTTGCA CACTGTGGTA GCCACCACCA GAAATAAAAT ATAGAACATT
35851 CCTACACCTT TAAAAAGTTA TCTTGTGCTC CTTCTAATCT TCCTCCACCC
35901 CAAACCCAGG CAAATACTGA TATGCTTCTG TGAATATAGG TAAGTCTTTT
35951 CTAGCTTTT GAATAAAGAG AACCATGTGG TATGGACTGT TTTCTGCTGG
36001 CTTCTTTCAC TCAGCATTGT GTTTTAGAGA TTTAGCACC CAAGCTGATT
36051 AAACAAGTCG TGGTGCTAGT AGAGATGTGA CTCCACAGCT CTGACTGTCA
36101 AGGAGGAAAG TAGCTGGGAC ATCATCTCCT CTATTCTGGC CAGTTCCAGG
36151 CTCCAACCGA TCCCCACTAA TGCTGTAGTA GGAGACTCAG GCATTCACTG
36201 TAATCAACTA CATAAAGCTA GGCAAGAGAA ATGGAAGTAA AGGGATCTCA
36251 GGGCAGTGTT GGCCAGCTG ATGAAGATAA TCTCTCAACA GAATCAGAGA
36301 ATCTTAGGTA TGAATGAAGT TTTAAAAAAT TATTATTTT GTTATTTTAA
36351 GAGACAGACT TTTGCGCTGA TGCCAGGCT AGAGTGCAGT GGCACAATCA
36401 CTGCTCACTG CAGCTCAAA CTCCTAGGCT TAGGCAGTCC TCCTGCCTCA
36451 GCCTCCCAAG TAGCTGGGAC TACAGCCACA TGCCACCAG CCCAGCTAAT
36501 TTTTTTACTT TTTATAGAGA GGGGTCTCA CTATGTTGCC CAGGCTGGTC
36551 TGAAGCTCCT GGAATTAAGC AATTCTTCTG CCTTGGCCTC ACAAAGTGCT
36601 AGGATTACAG TTGTAGCCA CTGCATCTAG CCTGAATGGA GCTTTTACGT
36651 CATCTAACCC AAGCCCTTA CTCTGTGGTT AATTAAGATA ATTCAGCAGA
36701 GTATTTTTCA TTCCAGGACC ATCTTCTCTA TGCCCTGAAT TCTGAGTCTT
36751 GAATACAGA CAACTTTGG AGGGCAACTG TCCTTTTTTCT CAGATGTAGT
36801 AGAAAGGAAG GGGACAGAGT GGGAAACAGA AGCAAGAAA AGGATACAGA
36851 GATAGGATCA TGAATAGAG AGGTGGATGG GTCAGGTTTG GGAATAATGA
36901 TTAATACAGT CCCGATAGAT AGGGTCCAGT TGATAGAATA CCTTGAAGTG
36951 GAGGCTTAAT AAGTTTGTG TGATGGGGAA TACAAGAGAA GATCTTTAGC
37001 AAGAGAGTGA CATAAAGTA GTATTTGAAA AATGATTATC CTTGAGCTTA
37051 AGGAAATCAT AGAGTAACCT ACCAGCCAGG AAATTTACTA CAAGTGTAAG
37101 ATTACCCGTA TGACCTAGCA ATTCCATTCC TAGGTACATA CCAAAAAGAC
37151 ATAAAAACAT ATATCCACTC AAAACCTTGT ACACAAATGT TTACAGCAGC
37201 ATTATTCATA ATAACCAAAA GGTAAGAAACA ACCCAAGTGT CCATCAACTG
37251 ATAAATGGAT AAACAAAATA TGGTATATCC ATACAATAGA ATATTATTTA
37301 GCCATGAGAA GCCATGAAAT ACTGATACAT GCTACAGTCT GGATAAACCT
37351 TGAACAACAT ATGCTAAGTG GAAGAAGACA GTCACAAAAG ACTACATATT
37401 CTATGATTCA ACTTATATGA AATATCAAGC AGGCAAAACC ACAGAAAGAA
37451 AAGTGGTTGC CAGGGGCTAT GGAGAGTGGG GATGGGTAGT GATTGCTGAT
37501 GGATAAGGGA TTTCTTTGGG GACTGTGTTA GTTTTCCAGG GCTGCCATAA
37551 TGAAATGCCA CAGACTAGGT GGTTTGAATA ACAGAAATTT ATTTTCTCAT
37601 GTTCTGGAGG CCGAAAGTCC AAGAATAAGG TGCCAGCAGG GTGATTTTTT
37651 TCTGAGGCTG CTCTCCTTGG CTTGTAGATG GCCACCTCCT TGCTCTGTTT
37701 TCACATGGCC TTTCTGTGTT TGTGCAAGCG TGTCCCTGGT CTCTCCTCT
37751 CCTTATAAGA ACAACACTTA TATAGGATTA GGGCCCACTC TGCTGGCCTC

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37801 ATTTTAACTT AATCGACTCT TTCAAGACCT TATCTCCAAA TACAGTTACA
37851 TTCTGAGGCA CTGGGGGTTG AGACCAACAT ATGAATTTTA GGGGGACACA
37901 ATTCATATCA TAATAAGGAT AATAAAGGGT TCTAAAATTA GACAGTGTG
37951 ATGGTTGCAG ACCTCTGGGG ATATACTAAA AGCTACTGAA TTGTACACTT
38001 GAAAAGAGTG AATTTAATGG TACATGAATT ATGTCTCAAT AAAACTGTTA
38051 GTAACAAAAA ATAAAAACTA AACTGGACAT AGCTCTTGCC TTCAAAGAGC
38101 TTATGGACCA GTCAGGCAAA CAAGAATGTA AATAGGCATT TTCAACCCCT
38151 TGCAGGGCAT GCTAGATGGA GATGTGCTTA TTCTATTTTT ATAGACTAGA
38201 GAAGACATTC TGAAGAGTG AACGTTGGAG CCAAACCTAC AGAATGAATA
38251 TAAATCTGGC AGAGAAAGGG TAGAGACAGT GTGTCCAGA CAGCGGAATA
38301 GCATAAGTGA AGCACAAG GCATGAAAAC CCTGGCATGT ACAAGGAAGG
38351 AACTTTACAA CACAGTTATC ATGCCCTTGC TAGTCTGCTT TCTCTTGTTA
38401 TTATTAATAA TTAATGCTG GATAAAGATT ACATTAACAA TGAGTAGAAA
38451 GAGCTTTGGT CTTAAAGTCA GACCTCCTGC ATTTATATCT CAGTCTTTCC
38501 ACTTACTTTG GACAATTACC TAAACTACCA GTCTCAGTTT TCTTATCTGT
38551 AAAATGGGGA AAATAAGGAT GATTCTATAT GGTTGTAAGT CTTAAATGAA
38601 TGACAAGGAA AACATTCTTA GCACATTTTC ACAAGTTATT CCTTGAAATA
38651 CATTAGCTCT GTCCATCTCC TTGTTTCTCT GACTATTCCT TGGATAACTT
38701 GGTTTTAAGA CCCCTCAACA TCTTAAATC ATTCTTGAA CTAACCTTGG
38751 TGACCATATT CCCCTGAAA TGAGGCCTGA ACACCAGGGG TATGATGGAA
38801 CCAAGTGTA TGATACTAAA ATCTTTCATA CATTTCAAAA TCAGCCTGGA
38851 ATATTGGCTC TTTTAGCAGT CACATACTGT TTCATATTGA ATTGGGGTGG
38901 TGGGGGAGGA AGTATTCCCC TTCCCACATA CTTTCCCAG AGTTTTATA
38951 GATGAGCTGT TCTGCTGTTA AGTCAGGTGT CACTCATCTT AGATTGAGG
39001 ATTTGATTTT CCTGACTCTA ACTATAAACT TCAGGTTTTA GTTTGCAAAA
39051 TTTAGTCTTG GTGATTTCCA GCTCGTGTTC CAGCTTCTTC AGTCATTTTG
39101 AAAAGGTGAA TTTCCCTTAT GCCTATTGAT TATGCTGTCT GGCTTTGTGT
39151 CTTCTACAAA CTTGGTAAAT GTGTCTTTT AGATTTTCAT CCAAGTCATT
39201 AATAAAATGT AAGTGAGGAT ATTGTTAGGG ATCTCAATGG CATTAGGAAG
39251 TACCACCTGA AAAATGGCCT AAGACACAAG AGTCCAGCAT ATTTGGTCTG
39301 CTTGTTTGAC CAGCTATGAA TCCACAAGAA GACTGCATTT CTCCTGTATG
39351 AAAAGGATAT CACAGACTCA TCTCTTTGAC ATGTTAACAT GGTTTTATCA
39401 GATGGGCTGA AATCATGATA TACCACAAC AATTGCTTCT CTGTGATCTA
39451 CCAATCAACC CTCCACAGAA AGAAATTAGG TTAATTTGGC ATATTCTCCA
39501 TAAGCCCATG TGAGCTCCTG CTGGCCGCTG CTTTATATTT TAAATTCTCA
39551 CAAGCCATCT GTTTAATCAT CAGTCTTCA ATATTGCCAG CGATTTGTGT
39601 CAGGATTATT CTTGTAATAA TTTTGAAAAA TACTGCTCAT AAAAATTGGA
39651 ACATGTACAT GTGCCTTGGG GACAGGGAGG GCAGGAGGGC ACCTCTCCCT
39701 TTTTTTTCCG GATTATTCAG ACTATCAACC TTGTGCAGAG ATGTATTTTT
39751 GAGTTGTGTT CTTGTTGTGA AGCTCATTGG ACTTTGACTT CATAAACTCA
39801 GAAGGCAGCA TCCCATAGGG GTGAGATAGT TAGATGCCCG GGATTTGGAA
39851 GTGGGGGCCA GGTGCGGTGG CTCACGCCTG TCTGTAATCC TAGCACTTTG
39901 AGAGGTCGAG GCGGGCTGAT CACTGAGGT TAGAAGTTCA AGACCAGCCT
39951 GGCCAACATG GTGAAACCCC ATATCTACTA AAAAAAATA AATACAAAAA
40001 TTAGCCAGGC ATGGTGGCAC ATGCCTGTAA TCCCAGCTAC TCGGGAGGCT
40051 GAGGCAGGAG AATCACTTGA ACTTGGGAGG CGGAGGTTGC AGTAAGCCAA
40101 GATGACACCA CCACACTCCA GCCTGGGCGA CAGAGCCAGA CTTGTCTCAA
40151 AAAAAAAAAA AAAAAAGAAA AGAAAAAGAG GATTTACAAG TGGGATCTCA
40201 GTTTCATTAT TATTGAGTGT GGTGTTGCAC TTAACAGACT CTGTGTCTTA
40251 ATCTCTCTGT TCTTAGTTT CTTTATTTCA AGAGGATTTT AATAGTTTCC
40301 TAGCACAGTA CATGGTGCCA AATAACTGTC TCATGTATGG CGCTTACTAT
40351 TGCCATAATC ATCACCAGTA TCACTATTTT AGTGGGTAGA GGTTTTCTCA
40401 TGATTATCTC ATATCTTGGT CTTTGATTAC CTCTTTAGGA TATTGATTTT
40451 ATCCTTTTAA GGTGCATGAC AGTTTCTTAT AGCTTTTAAT TATTTGTCTC
40501 TGCTCTGCCA CTGATTGCA AAGTCCTTGA AGGCAGAGGC TGTGCCTGTG
40551 ACAAGTAAAG TACCTCCAC AGATCAGGTG CCCCATACAC GTGCACGTAA
40601 TTTAGAAACT GGAATTAAGG TAATAGTTGA GAAGCTTTTC TTAAGTTAGA
40651 CATCAAAGTG CATTATTTCA TATGTAAGTT GGAATTCGT TTCTGAATGA
40701 ATTCTATTCA ATAGAACCAC TGATGTTCTC CTTGGGAAAC ATCTTCACTG
40751 TTATGTGACT AAAATTAAAA CTGGCTTATG ACACTCGGGA TCCAAAGATT
40801 GAAATACCCC TCGTAATAGG CAAGAATTGT ATCACAATAC CATCAACAAC
40851 AGCAATAGTA CTAATAGTAA TAATAAAAT ACCTTTCAAG AAGTTTGGAA
40901 TTAAATTTGA AGCTCAATCA TAGCAATAAT TTCTGGCCAG CATATTTGTG

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40951 TTCTTTTCCC TATTTGTGTT CTATTCTTGC TGGTCTTAAT TTTTGTGTGT
41001 ATTATGTAAG TTATGTCAAA TTGTCTGTGA AATGAGGCTG AGTATAAATA
41051 CATTAAGGTA ATAAATTATG TAATAAGAGA TGTTCAAAGG GTCATTGGGC
41101 AGCTGTACTT TATCATTACT GGGAACAGAA CAAGAAGAAA CCAGTGCAAA
41151 CTATAGTTTA AAGAATTTGG GTTAAATGT AAGGAAGATT TTCTTCATAG
41201 TATTTTAAAA CGGACGGTTT TGGGGTCATA TCAGTGTGG CTGTGGAATC
41251 TTCTCAGGAG GGCATGTAGT CCACTCCTGC GGCCTCTCTG AGTCCAGTG
41301 TTCTCATCTG TAAGATGATG AAGCTGGACT AGCAGCTGTT CCCAGTTCTT
41351 TGTTTTCAAA TGAGATTTCA AGGTGTCTGG GAAGGAGGGG TGAGTAGGTT
41401 GGGGATGGA GGGGGACACA GTCCCTGTCT GTTGGTCTGC TCTTCAAATC
41451 CACCTCTGT CCCAAGCCTC TAGAGAACAC TGGGGCTCTT CAACACTTTT
41501 AGCCTGGCA GTCTTCCAGA CCCCTGCCTG TTCTCAGCCT TGCTACTCAA
41551 AGTATGGTCC CTGGACAAGC AGCTGCAGCC ATCACCTGAG ACCTGAGAAA
41601 TGTAGGCTCT CAGGCCCCAC TCTAGAGCTG CTGAACCAGA AGCAGCATTT
41651 GAACAGATCC TGTGGTGATT TGTATGCACA ATAAATTTCA AGAAGCACTG
41701 CTCTAAGACC CTGTGTCCCT TCTTTGTATT CAAGTATCAC ACTTTTGTAT
41751 TCTAATGTTT TCCTTTGATC ATATTAACAT GAAAATATTT TGAATTATTC
41801 TCAGATTCCA GAATCTCTAG AAACAAAAC CATAGAAAAC CACGCCCAAG
41851 CTTCTTTTTT TTAGTGTCCC TTAACAACA TTATGTCTG AGGAGGATGT
41901 CTCTGCTGCA GAGCTCCTGT AGACAACCTG GGCAGGCGGG AGAAACCACA
41951 CAGCATCTCT GTGACTGTAG CAAGTGCTTT GTGACTTTGT GTGTGTIACA
42001 AATCAATGAC TAAATCCATA AGCTGTCATT CAGGGAAACT AGATCCTTCC
42051 TAGTAGTAGA TTCTCCTTTG ATCTGTCTTG GTAGGTTATG CCCTGACTTT
42101 TTAGGTGCAC AAAAATAGAC TTTTATTTGG GTATAAGCAC AACTCAGCAA
42151 AAATATAAGA CCCAGAATCA GTGTTTAAAC CCTCTAAGGG AAGTATGCTT
42201 ATACAGAGTT TCATTTTCTT CCCTTTCCAT CTCAAACTTA AATGCAGTAA
42251 CAACTGGCTT TATCCTATAG TTAAAAAGTT GTAGCTCAAG CCTGCATATT
42301 ACACCTGCCA TGATGATGAA ATAGAGATTG AAATTTAGAA TTATAAACTT
42351 TTGCTATTTT GGTGTCTTTA CTGTTAAGAC AGCCAAACCA CTGCTATTAT
42401 AAACAAGGTT AAGAACCTT ATTTTATTAA AACCTAGAT TTTTTTATTT
42451 TTTATTTTAA GTTTATTAGT TTAACAACCT TCTTGCCTAG ATTATAATTT
42501 AATTTTACTT TAAACAGTGT TTATCTTTTC TCATTTTAC CTACTCAAGG
42551 AAATGGAGCT AATCAGCTTT TGTGTCTTCT TAAACTCAA TTTGTACTG
42601 TATCTTGATT TTATTGTCTAT CTGATTGTCT CATTGAAATC TGCAATTCTT
42651 GTATTTTCT GTAAATATTCA AAATACAAAC CTGGTGGGAC TGTAACCTAG
42701 TTCAACCATT TTGGAAGTCA GTGTGGCGAT TCCTCAGGGA TCTAGAACTA
42751 GAAATACCAT TTGACCCAGC CATCCCATTA CTGGGTATAT ACCCAAATGA
42801 CTATAAATCA TGCTGCTATA AAGACGCATG CACACGTATG TTTATTGCGG
42851 CATTATTCGC AATAGCAAAG ACTTGAAC CACCAAAATG TCCAACAATG
42901 ATAGACTGGA TTAAGAAAAT GTGGCACATA TACACCATGG GAATACATAG
42951 CAGCCATAAA AAATGATGAG TTCACGTCCT TTGTAGGGAC ATGGATGAAA
43001 TTGGAATCA TCATTCTCAG TAACTATCG CAAGAACAAA AAATAAACA
43051 CCGCATATTC TCACTATAG GTGGGAACGT AACAATGAGA TCACATGGAC
43101 ACAGGAAGGG GAATATCACA CTCTGGGGAC TGTGGTGGGG TGGGGGGATG
43151 GGGGAGGGAT AGCATTGGGA GATATACCTA ATGCTAGATG ACGAGTTAGT
43201 GGGTGCAGCG CACCAGCAGC GCACATGTAT ACATATGTAA CTAACCTGCA
43251 CAATGTGCAC ATGTACCCTA AAACCTAAAG TATAATAAAA AAAAAATACA
43301 AACCTGGAAT GAATTATTCA TTAGAATATT GCATTTTGAA TATTAACCTA
43351 ACATAAATTT TAAATTTGGA GCATATAATA ATTGTAACAG AAGCTAACCA
43401 AATTATCTGT GGTAATTTT TTTATATCCT TATTAACATT GTTATGCTCC
43451 TTAATTTCTT CGCCTGCATA AGTAGGATCT TTGCTGTAAG CTCAGAACTT
43501 CTCAAAGCGT AATGGAGTGA ATGAGTGATT TGTTCCTAG AGTCTTATGT
43551 TATCAATATT TATTTTGTGT TTTAAGGCAT ATTACTACTT TTCCATTGTT
43601 TAACAATTTT AAATCAATGA ATTTTGCTCA GTTGAACTTT TAAAAAGACT
43651 GGCCCTCAAA CACACAAAAT TATACCTGCA GGGTTGTGGT ACTTGAACA
43701 ACCTCACAAT GTAGACTTCA CCACCTGTG AGGAGAGTAA GTCCTGAGAA
43751 ACACCTGCCTC CCTCTTCTGT ATGATGTCTT TTCCCAAACC TCCAAATCTG
43801 CGGTGCTATA ATTGGCAATA TTCCTAGCTT CCGTGAGATT TCTGTAACCTC
43851 TCAAATGATA ATGAAGAACA GACATAGGGT CATTAGTGCC TCATCGAAAG
43901 CAAAACCATT ATTCCAATCA CAACGACAAG TTGTTTTTGT TTTTTTCTTT
43951 TTTTCTTTAA TGCTAGGGAA GGAAGAAAAG CAGATGTCAG GAGTTTTTGT
44001 TCTTTGAAAA ATGAAAAATT TTAGACTGTC TTACTCATT GACACTGAAG
44051 ATCTCTATAC TAACAGCAGA AAGGGAAAA CATTAAATCT GGAGACAAAA

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44101 GTCTATTCTT CAGAATTGAT GGTCTGTTTC CTCCTTCAAG AGGTAAATGG
44151 TGGCTCCATT GTAACCTGCT TTGTGACCTT GGATAAATTG CTTAATGTCC
44201 CAGGACTTCA ATTGATTGAG GTACTTTGAT TATCTGCTTT CTGAGGGTCT
44251 TGTCAGCTT TAAAATTCTA CAAAAACATA AAATCCATTT CAAAACCTGGA
44301 AAAGAAGCTG AATATGGGGG GAACACATTA AGAAAATTTG GTAGCTTTGT
44351 GCTTCTCTTG GGCCAGGCCA TTACAATGGG TATTATCATT TCTCTGAGAT
44401 ATTGTGAAAC ATCAGAGCAA AACCTTTTTT TTCAGGTATG AATATCTGCC
44451 ATTTTTTTGT CTATGCTAAT GTTATTATCA GCTCCCACGG GTAATTCAGC
44501 TTCCAGATCA AAGCTATTCC AGCAAGTATG TTAGCAAGCA AATTTTTATA
44551 AACTTGCATT TTTAGTACTT TTTTATCTCC TATCACTAGA GAACTATAGA
44601 AAAAGGTATA TTTATTACTG TTTGTAAAGT GTATTTTCTT TTTCTTTTCT
44651 TTTTGGCAG GAGAGAGTGA AAACCAAATA TTTTAAGAAT TCTTTTTTTC
44701 TTGGTCTTTT TCAACTCAGT ATTTATTTTA AAATCTTTAT ATTTTTTGAT
44751 TGGCGAATCA TCCATTCCCC TTGCTTCACT CTTTTCTTTC TTGCCTCTCA
44801 TTTTAGATTA TCTTCTGTTT GCTATTATTA CTTCTATATC ATCACCTAAG
44851 GGAAGAAGGA TAACACTGGT GGAATTTTAA TAATTTTGAA TTCTGATGTT
44901 TTTAAATAAC TTAATAAATT TTATATAAAA TAATTTTGAA TTATGTTTTC
44951 AAATTAAACA AATATCATGT TGTTTTAGTT TTGAAATGTA CTAATAACAA
45001 AGAATTTTTA GTCATTTATC CCCCAGTTTT TTTTCTCACA ATAGGTTTCT
45051 TTCTGTGTAG TTCACTGTAG TTCATTTTGT CATGATTTT AAAAGATTCA
45101 TATCAATGCT CAAATAGAAA AGAGCCAAGT TATACATTTT TTGTTTAAAT
45151 TAGTAGACTC ATTAAGTCTT TTTAAGTAA GTAAGACATA GCCCAGTTCT
45201 CAAAGGGCTT ACCTTTCTTC TAATCTTTT ATACAGCATA GCTATACCTA
45251 AATAACTTTA TCATTTGGGT TTTTATAACC TTAAGCATTT ACAAATGAGT
45301 GGAATATTTA CTGTACTACA TTCTCTACCC CTGATTCTAA TCTCTTCTTC
45351 TTTAAACATC TCCTCTTCTT TCTTGTAGCA AAGTGGTAGT ATCAGGAAAT
45401 GGCTGATGCT ATCAAAATGG CTTAAACAAT AAGAACTCT TGTCCTCTCA
45451 TCAAGAAGTC TAGAGAGAGA GCAATTCTGG TTTGACTAAT TCAGCAGCTG
45501 AGCAACATCA TCAGGGACGT TGGGGCCTTC TCTCTTACCT CTCCATGTTT
45551 CTGCCACTCA TGTAGGGTG GCTTACTTCA TGGCTCCAGC TGGCTGCCAT
45601 AGTTCAAGGA GTCACATGCA GATGATCACA TGCAGAGGTG GATTAAAGAA
45651 GAGTTTCTCT TCATGCTTCT CTTTTTATCA GTGAGGAACA TCTTTTCCAG
45701 ACCAATTATG ATTACCACCA GGAAGTAGGG GAGGATCCTC CTTTCCAGAG
45751 CATATGATGG TAGGGGTGTT GGGGGATGAC TGTGTGGGGT AGGCAGTCAT
45801 CAGTGTCTCT CACAATAAGG AGGCCACAAT ATTCGATGAC TCTGCCATC
45851 TGTATAAATA AGAAAAATAG AATTGCTTGA CCATTTGTCT CAGGTTGTGG
45901 GGGAGAAAGA TAGGGACAAG GAGGAGCTGT ATATGATTTT AAGGGGAAGT
45951 TAGAATTGAC CCAAGGCATC CTTGGTTGTA AAGAGAACTT TTAGAGAAGT
46001 AAATAGAAAG AAGTTCCAGA AAGCTGTCTC CTCCATGAAG GGAATCCACT
46051 CATATTGTAG GTAAAAGAAG AGGGAAGGGC AATTTTTTCT CCACTCTTCT
46101 ACGAGACAGC CCCAGCAGCT TTTATGGAGG CTGTGACTTA GAAATGGGGG
46151 GGAATGGCTT GTCATGTTGT GAGGGCACA ATGCACAAGC TTTTTTAAAC
46201 CTGCCTGAAC AATGTCAGAC TTTTGTGCT CCCCAGTGAA TTAACATGCT
46251 CTGATGCATT TTTTTTGGCT TGGCTATCAA CTCTTTGGTC ATGTGCTTGG
46301 GGAAGGGCTT TGCATGACAC AGCGGTCAGA CATTTTATCT TTTCTCCATG
46351 TGACTTCCAG GAAGCCCTCT AGGGAAATGC AGGACATGGT CCATTTGGAC
46401 GCCAGCTCTA TTCTTGCACT GACACAAGAG ATTCTCTGCA GAGAACTCCA
46451 GGGAGCACCA GCACTATTTT CAGCCTTGAG ACATGTGCTC AAGTCATTTT
46501 TATTTTGTCT ATTTATACAG ATGGGAAAAG TCATAGAATT CACATGATGG
46551 TTATTAGATA TTTTTTATTC ATGCAATATT TGTCTTCAAA CCACCTACTC
46601 CTAGAATTTT TGTTTATCCT CTTCTGCTCC TTAAAACATA AAGGCAATTT
46651 GCAATGATTT GTTATAGTAC CAGCACTGAG ACACTGCATG AAAGTTGTCA
46701 CCACAAATGG AAATATAATC TAGACAGCAG CCAGAAATAG CATGTTTGCC
46751 AAACAAAAT ATCTGAAATA ATTTTACTCC TTTTTTGTTC TTTATTAGCT
46801 GTATTATTAA TTAATTGCCT ATTATCTGTA TGTAATACTC ATATGCTGCT
46851 AAAATATTG TTAACAAAAT CAGTCTTGAA AAGCATAGTA AATGGAATTT
46901 ATCTATAGGT TGTAATTGGT TTGCAGTTTC ATTGTTGAAT ATTTGAGGCA
46951 CTTTATTTTA CTTTGTCTAG GAATCTTTAT TTGCTAGCCA TCTTCAGGAG
47001 TATAGGGAAA CCGGGCCAGA ATTTAAATG GGAGGAATTT CTTTATTTT
47051 TATCCTGTGG AAGACAGTGT TGGGGTCTCG CCTATATCCC CTGGGCACCT
47101 AACATTTTCT TATGCATGGA CTCAGCTCC AACTGCCTGC ACATGCAATT
47151 CTGCCTGAGT GCTCTTTCTA GCCATTAGGA TTTCTGTGC TCTGGCAAGG
47201 GAGAAGAGTG GAGGAATTAA TACTTCCAGG GAGCAATTTT AGCCAGTGAA

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47251	TAATGGGAAT	TGGTGGATTA	GTATCCAGC	CCCATTACTC	CTCACCCTTT
47301	GGGCAGGAGA	ACTCTGAGGT	TAATGTTCTA	CACTAGCTCC	CAGAGTTTCT
47351	TGACAGAATT	AAGCTCCAAC	TGCCCTCAGT	GATAACTGTC	TTGATGATAT
47401	ACCTTTTCAT	GGCTTCCTTC	CCCTCCTGTC	TCACTTCCCC	ACTTTCTCTAT
47451	TACTTCCCAA	ATTACTACTT	GCATTCAAAT	CCTTGTCTCA	GGGTTCGCCT
47501	CTAGGGGAC	CCAAATGAAG	AGAGTCTTTC	AGAGCAAAGC	ATGGCTTAAT
47551	GGGAGGGTTC	CTCATGCTTA	TTTTAAAGAT	CTTGCTATGT	AAAGCTTAAA
47601	TATTTTTTGG	AAAAAATGGG	GAATAAATGG	GTGGAGAGGA	AGGAAGAAAG
47651	AAAACAAGGA	GGGAAGGAGA	GGTTTATGAA	CCTGACAGTT	TTACAGTTTT
47701	ATATGTCTCT	TAAAAAATAC	TCCTCCTCCC	TGTAACATTT	TAATTCCACA
47751	TTCCATAATG	TATAGTGTGA	TTTTGTGTAT	GTGTATGTAT	GTGTTTACTC
47801	TAAGGAAATA	TACAGCATAT	ATAAAATATT	GTAATATATA	ATATAAGTGA
47851	TAAAGTCATT	TTTTAAAGA	GTCAATAGCT	GATTAACTTT	TACAGCCTAT
47901	TCAGGTAAATG	CAAAATGCAGA	CACCTCTTCTA	CTGGATATTG	ACTTATACAG
47951	GGCAAATGGT	AAAGAATGAT	ACATTTCATTT	ATTTTGCTGC	TTGAGCTCCA
48001	CCCAGGGAAA	AGGCAATGCA	GCAAGTATAA	AGCGGTTTGC	ATTTGCAAAA
48051	GTGAACATCC	TGAAGCTCTA	GTCCGTGGAT	TTTGCCTTTT	CTTCCTGCCT
48101	AAAGAAAGGT	TAGGAATCCT	ACTGCCACC	CCCAGCTCTA	TTTTAGCATT
48151	TATCATGAAG	TTGTCCAAGT	ATTTATATAC	TTGTTGGCCT	CCCCATGGGA
48201	CTCAGCTCTC	TTGGAGGGCA	GGAGTTTTGT	CTTTTTCGTC	TTTATATCTC
48251	CAGCACATGG	CATGGTATTT	GGCACATAGA	AGATAGTTAA	TAGACAGTAA
48301	AGTAACAGAA	CGGTGAGATT	TCCTGTCTCA	AAGTCTTTGG	CAGTTTGTTT
48351	CTCAGTTGCT	GATGTCTGCC	ATGGGCACT	ACAGTTTGCC	ATTCTCTGCAC
48401	TGCACCATGT	TGCCCCCTTTA	ACCCCTGCTG	TGTCCAAAGG	CTCTGCTACA
48451	TGTTTGTGAT	CGGGGTACGT	AGAATGGACA	AGATGAATTA	GAGAGTCTTA
48501	ACCCCCGAAT	GAGCTAGTTC	CACGGGTTTA	ATTGTTAAAA	ACAACAAAAGC
48551	AGTGCATATT	GTGGCATATG	GGGATAACCC	ATAAAATAAT	TTTGTCTCTT
48601	AATGTGACAC	AGACATAAAA	ATAATATTTT	TGTTTTACCA	AGGGAAGGAA
48651	AAACAACAGA	AATAAAATGA	AACTCCATCT	GTAGTATAAT	GTAGTATACT
48701	TGCTACTAAC	CTCTACTCTT	TTTTTTCCCC	TACCAGCTAT	TCCTTTATGT
48751	AACTTTGTTT	CCTGGCTTTT	CCATTATTTT	TATCAATGTG	CCAATTTTTT
48801	AAATAAGTAT	TACTCTCTGC	CATTATATAT	CTTTTTCATG	CCCTTTTACT
48851	TTTAAAAGTT	ATATATCATA	TTAAAAGAGA	TGAAATAACT	TTAAAACAGG
48901	ATGTTTTCCA	CCATCAATTT	CTATCTACAT	GTAAATGGAG	AAAGAATTAC
48951	CGCAGCCTTA	AATACATTAG	AAGAGTCTAA	GGTGGAAATG	AAATGAACC
49001	CAAATGAGCC	AGACCTTTGG	AGGTTTGGCT	TTTATTGCCC	CAAAGTGTTT
49051	ACAGTTTATT	GTGGTAAAC	CTGAAAGTAC	TTCTGTGATG	CATAATTGCA
49101	CTGATCAGGA	CTCCAGGGT	CAGGTAAGAG	CAGCCACCCCT	TTGCCAGTTT
49151	AAGCAGAAAA	GGATTTGTTA	CAGAACACAG	ATAGTTCATA	GCAGTGGTGG
49201	GAGGGCTGGG	GGAGCAGGCT	AGAGGGCAGA	ACATCACCAG	TGAAGTGACC
49251	TAGTGCCCTT	GAGCTCAGGG	CCATGCTGTT	TCTGATGACA	CATATATTTG
49301	CAAAATGGAG	ACGCCGTGCC	ACCTTGTTTC	TTGATGCAGC	TCACACTCAC
49351	ATCAAAGTGT	TGGTGGATG	CAGCTGACTG	ACAGAACCTA	GGTCACACAT
49401	CAGCACCCAA	GCTCAAGAGA	GGCTGGGAGT	CATAGGGTTG	GTGTGTCTGT
49451	TTTTATCTCT	CCAGGGGAGG	CAAGACTCAC	AGCCCAGGGA	TCTGCCACAG
49501	TGTAAGGAAG	CTGTCTAAAG	TGGGCAGCCA	CAAATGACAA	GTGTCTGCTA
49551	CAATAATGTC	TCATGAAAC	AGCAGTAAGC	AAATTGTGTA	AGCTGTTTGG
49601	CCTCTACTAT	TAAGAAATAC	ATGTAGCAAA	AAGATTGTAA	GGAAATACAC
49651	AGAAATGTTA	ATTTCTGATA	TTTCTGTGTT	GGATTGTGGG	TAATATTTTC
49701	CTTATGTTGT	TTTTTTAAAT	TTTTCTATAA	TGAAACTATT	TCCTTGTAAA
49751	TTAGAAAAAA	GAGACCTTCC	CATTTAAGAA	AGGCAGATAA	AAATAATTCC
49801	TGCCTTCCTA	GAGGGATGAA	AAATCTTAAA	ACCCCTGATT	ATATTTTCATA
49851	ATCTCTCTTT	GTAAAACAGG	CAAATGATAA	ATAAAAAAAC	ACAAAAGCAA
49901	AATCCAAAGC	CAAAAAGTTA	CTCGTTTGTC	TAAGTTGAAA	TTAAAAATTC
49951	CTGTGGCTTA	GGCTTAAGTG	GTACAGTAGC	TGCTAATCAC	ATCAGGGTCA
50001	CAGCTCTGAA	ATCAGAAAGG	CCTCAGACAT	CCTTACCTCA	ACTTTATAGC
50051	ATTCAATTGCA	ATTTGAGCT	TTGAAAAACA	CAACCATACA	TGTTCACTGT
50101	GTTCACTGTT	CATATGTTCC	TCCAGATCCT	TTCTCTTTAG	TCTTGCTCTT
50151	TTCTTTTAAA	ACTCAAAGA	CATGTGTTTG	ACTCATATTT	CTGTAGTGAT
50201	TTACCTTTT	ACCTGAAGCA	GTGTATGCTG	CTGGTTGAAT	GGGGAAAAAT
50251	TGAAAAAGATA	TGTGAAAATT	TGGAGAAAAA	TAACCTTTAA	TTAATATCTC
50301	AAAGATATCA	TCTTCCCCAT	TTCTGCAAA	GGTAGGCCAA	TTTCAAGGGA
50351	ATGAAATTAG	CCATAGTTAT	CCCGAATTTT	CAAAGTTATT	CTCAAAGTTT

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50401 GTCAGTTCAC TGATGCTAGA AAGAAAGAAA GCATGTAAC TGGGAAGTCT
50451 CCGGGGATGC CTCGTTTTGC TACTGTCTTG AAATTTCTCC TGAGTTGAGG
50501 CTCTGATAAA ATAAATGTCT GTCATGTTAT TTAGGAGGGG TGACAGGCTG
50551 GAATCACTGA GCAAGTGACA AACTGTCCCT TGACTTGGTA AGTTTCCATG
50601 CTGTCTTTGG CTGATACAGA TCTCGTATTA AGTGATATGC AATGAGAGTT
50651 TCCTCTGTCA GCTCAGTGAC GTGATTTTAG GTAAGGAAGG TGAACGTCTC
50701 CGCATCAGCT AGAGAGATTA TAATAGATAT CACCTGTCTT AATAGCCCTA
50751 CCTTCATCTG CTTAACTGTG GACAAATGAG ATTTTATGCT TTATCATCAA
50801 GGTGCCAGAC GGGGCTCAGG TATTTACATT TTATATGTAA AATTGCTCAT
50851 GCTCTGCTGC ACAATAGTTG GTGTTTGCAA GGAAAAATAA GTATCCTGAA
50901 GCTTTTTAGA GCATTTATTC CTTACAGCA AGAGAATATT GCAAGTTGGT
50951 AAGACTTTAT ATTGTCATGC TTAACCACTG TGACTTTTAT AACTGCATGC
51001 TAGCTGGGGT ACAGTAAATT ACTGAAAAGC TCTATGAAGA TGTCTTTGTG
51051 CTTGCGCTGC TGCTTTGTAA TCTTCAGTAG TTAAAAAAG TGTCTTGAT
51101 GTCATTTCTA GCTTCTTTGG GTATACTAAC AGTCTGAAAT GCCACTCCTA
51151 ATAACATTAG GTCATTTTAA ACCAAATTCT TGATAGAACA GCCTTTCTTC
51201 AGAGTGTTAC CAAGCAGGCA TTTCTCTAGA ATCTACTTCT TATTAAATAG
51251 GAGCCTAATA GGCTGTTTAA AACCATGTG AAAACACGTT AGGGGAAGGA
51301 AGACAAGTGT TCCAACCTTC TGTATTGCAG TCACATTTAA AGACACCTGT
51351 TAATGGCATA GTTGAGTCCT TGCCTGTGAG GTTCCTGAGG CAGAGCTGCC
51401 CTTTCTAATG CAAATTGGCC TCCTCTTTGT GGAAGCAGCT TATGCCTGCT
51451 GTTGGTTGTC TTTTGGGAAT GAGATGAGTT CAGAATGGGA AGACCATGGA
51501 GAATATTTAA AGTGAATAAA ATATTAAAG ACTCAAATTT CAGGGGAAGT
51551 GACTTCCCAG TAATGGTCAT CTTGGATTAG AAGGTTTTCC TTATGAGATT
51601 TTTGGAGAAT GGAAACTTAA CCCAGCTTTT ATTGCTCTGG GAAAAAAAAG
51651 GTCAAACGTT ACCCAACCCC GGAATAGGAT AAGGGCACTT TCTACATTTT
51701 CCTACTTAGG CTCTCAGCTT CTAGGACAGA TTTCCCTAAT TAGAATTGTA
51751 ACGAGTTTTT AATTTTGTGT TGTTTTGTGT TTTTAATTGT AGTCTCTCAC
51801 TGAGAAATGG TAGGGGGGAA TACTATACAA TAGTGTGCTG ACTGCAATAT
51851 CAAAACCTCT AGACCTTGAA TATGAAACAA GAAGAAAGCT CTACCTCTGG
51901 TAATGCCTGA GGATATTACG GTTCTTCCAT TGTAACACAG AGGGAGAGGC
51951 TTGTTTGAAT TACTGAGAAG TTAATAGCAT AATCACATTT TTAATAATGG
52001 TAGAAGCTCT TCTCTCCAAT GTGATTGAAG CTGGTACTTG GTTAAAAAAA
52051 GGAAACAATT TTAATAATAA ATGACATTAA TTAAACATT TACATCAACT
52101 TAAAATATAT AACTGTACAT TTTCTCCAGT TTTTGGCTGT ATAGCCAGCA
52151 TCCAATGTCC TCTGGTTAGA GACTCCTTCA TCTTTTTTTT TTTTTTGCAT
52201 AAACCTACATC CATAAAATAT ATATTATTTT TATATTATTT TTTAGGACCT
52251 AGTTTTCTAG ATTTATTTTC TGTAACAATC TGAATTCAGA ATACTAGATT
52301 TTCACATTTT TAACCTTTTT AGAACTGTCT TTTCACTTAC TTGACAGCTG
52351 TTTATTTTGT CAACCTTTTT TTTTCAAGTT TTTTGGTAAT CATTTGACTT
52401 AGTTTTCTTA GCAGAGATAA CTTTCACGCT CACTCTTCAT TTAAGTTATA
52451 TTGAAGTCAT AAATTTACAA TGATGAGCAT AACTGGCATT AGCAGGCTTG
52501 GGAATAAACA CAATGACTTG GTAAGCATA ACCTCAACTG GGAGGGCAGA
52551 AGTTCATGGG CATGCCAAGG AGAGCTTATT AGCTGGAGGC ATTCCCTGTG
52601 GCAAGGGCAT CTGTCAGCAT CTGTTAGGAA GGAAGGAGA ATGATGGTTA
52651 ATCTATGCAT TGGTTAAAGG GCCTAAAGAA ATTTTCTACT ATAATACATT
52701 TTTATTGATA TGCATAAGTA GCAACTCCTA AAGAAGATTT TTGTAAATG
52751 TTTTCTAGTA CAGGTCTGCT AGAACTTGCC CTAATGAAC GCCAATGCTT
52801 GCTTATAATC ATCAGACTGT GTCTGCAAAC ATAATTGGTG TTCTAAAGTA
52851 TTTTTTCTTA TAGTCTAGTT CACACTTTGG TACTATAATT GATTTGTTTA
52901 TCAGACTCTT TTTTTTCTTA GATGGGAAGA GATAATGTTT TGGTCTATTC
52951 CCAAAGAGTT ATCACAATTT TTAATTAAT GACTTGGGGA TTTAATGAGC
53001 TCTTCTTTCA TTTATACATG TTAGAAATAC TAAATATCTC TATTAATGTT
53051 TTTAGTTAAT TTTTCTCTGT AAATACTGGT AGTAATGAAG TATGATATGC
53101 CAAGGATAGT TTTAAAAAGA AAATAAATAA ATATTGCTCC TATTGATATT
53151 AAGTCGATAT ATTTGGAAA TTTTAAGCTG AGAGAGAGAA GCATGCCTGT
53201 GAGTGTGTGT AAATACATGT AAATACATAC ACAGAGGCAA AGAGAGACAC
53251 AGAAAGAGGC AGAGACACAG AAGGAAAGAT AGGCAAAGAA AGAATAAGAT
53301 ACAGGGAGAC AGAGTGATGG ATTACATATA TATATGTGTG TGTGTGTTTG
53351 TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TATGAACACA CATAGAAAGA
53401 GACAGACAGA AATAGATAAC TATAAGAGAA ACCAAGAGAC ACTGAAACAT
53451 CTAGAGAGGT GGAGGAAGGG CCACCCAGC AATATTGCTC AAGATTAGTT
53501 CCATGGCTGC CCTTATAGAA CTGTAGGATA CACAGATGAG GAGGTGAGAG

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53551 GCCTTGGGGA AGCAGGACAG GAAAACAGGC CCAGGTCCCA CCAGGAGACA
 53601 CAGTGTCTATA ATAGGCAATA CCAGATATAT GAGTAGGTCA CAACCTGGGC
 53651 ATTAATTAAT GGCTCTGTAC CACTTGATGA TATTTGTTAA ATGTGTTTTT
 53701 CAGCTCTAAA TGTTTTTAAA ATTTTTTTTG ATCTCAGAAA GGTACTTAAG
 53751 GAAATATCTG TTGGAGAAGT AAATCCAAAT GAAACTGTAC AGGCCAATTT
 53801 GGAAGCCCAA CTCCTCTCCA AGCTGGACCA CCCAGCCATT GTCAAGTTCC
 53851 ATGCAAGTTT TGTGGAGCAA GATAATTTCT GCATTATCAC GGAGTACTGT
 53901 GAGGTGAGAC TCTCCTTTTC TCTTGGAGT CTTTATAAAA ACTTGCTGAA
 53951 TGGTAAAAAG CCTTCTGTAA AGAGATCTTA AAAGTCCAAT TATCACACCA
 54001 TAAATTGAAC TGTAAGACC TGGGATCCCA TGTCTTGCA CTAAGAATGA
 54051 TTATCTGTAG ATAATTGACA AAACCTGTTT CTAAGGAAGG GTTTTTCCCT
 54101 CCATTGGCAA ACTCAGTAAA AAAGAATATA TTTTAAGGTG GAGGCCAGGT
 54151 GTGGTGGCTC ATACTTGTA TCCCAGCACT TTGGGAGGTT GAAGTGAGAG
 54201 GATTGCTAAT CCAGGAGTTC GAGACCAGAC TAGGAAACAT AGTAAGACCT
 54251 CCATCTCTAC AGAAAATTAA AAAAATTAGC CGGGCGTGGT TGTATGAGCC
 54301 TGTAGTTCCA GCTAGCGAAG AGACTGAGGC AGGAGGATTG CTTGAGCCTA
 54351 GCAGTTCAAG GCTTCAGTGA ACTGGGACCA TGCCATCGCT CTCCAGCCTG
 54401 GGCGATAGAG TGAGACCCTA TCTCTAAGAA AAACAAAAAA CAAAAAGGAG
 54451 AAATTACTGC AGAAGAATGC ATCAACAATT TTTTGATAGG GGAAGGGCA
 54501 AACCTTCTAG AATGGTCTGA TGCTTAGACG GACATTTAAA TGCTCTAACA
 54551 GATGCTTGGT TAGAGTAGAG GTATATGTCC TGAGTTTTGG ATTCAGCTC
 54601 TATGGTTTAA TTTCTTCAGT GGAAGTTTGG AAATGGAAAT ATGGCTTTTT
 54651 TCCCCACAAG AATTCCTCAT ATTTATCAAT TTGTGGTTTA CAGCTGAAG
 54701 TATTTACAGT TTTTCCAACC ACTCTGAGTT CTATCCAAGT AATAGCTGTG
 54751 TATTTTACTG AGCCCCAAGG GAGTGTGAAG CTGCTTAGAG AAGTGGGAGA
 54801 GGGGAAAGTG GACAAATGTG AGCTGCAGTG TGAATCTGTG TGTTTACTCC
 54851 TGAGACATTA TGGAGAGAGG ATTGACAGGG CTTGGGTGAG GTAGAGAATA
 54901 CCCAAGATG ACTACGCTCA AAAAGTATCT CCCAGAATAT TATGGAAGCT
 54951 AGGGTTAGCC AAATGCACCT TGGGAGAATT TGGTACTGTT CATACTTAG
 55001 GATGAAGTCA GTTATCACT TGATGTTGCT TGGAGCCCAA AAGACATGAG
 55051 GGA AAAAAGA TGCTCTTTAG AGTAGACGGC AGTTCTGTTT GGGCCAGAAA
 55101 CTTTGGACAA CTCGACCTAA CTTGAAGGTG CCATTTGTTT GAGAGAGAGA
 55151 AAAGAAGAGA CAGGAGAAAG AAAAGAAGCT CAGAAGGAAA AGGGATAGCA
 55201 GCGAGAACAA CCTTGCTGCT TTTACACATT AGCTGATGTA TCACCCAAAA
 55251 TGAAACCAAT AGCCAAGTTA AAATATCTGA ACAAGTTTGA AATATTCCAT
 55301 GTCTTGGCCA TTTCCCTTCA GGTCAGCCTC AGCCTTGCTG GGTATTTTCC
 55351 CATCTATGTC TTGACCCTGC TTTGCTTGGG GGAAAGTGGA CAGGGTGGAG
 55401 GGTGAGTGGG GAAGAACCAG GTCATTTGGA TATCTGGTTG TCCATCATCC
 55451 AGTGGATTGC TGAGAAAATC AGTAAGATGA TGTCAGGTGT GATCAGTGAT
 55501 ATTGAATATT TACTCTGGCA AATATGTCAC CAATTCGTGC AAAACTACAG
 55551 ATACTTGCAAT ATGCATATGT TGCATACTAT GATCCACCTG CTATAATTG
 55601 TTCATATTTT TTTCTTACCT CCTTCAGTTA ATAACTGTG TTATTTTAGA
 55651 AACAACTGAC TCATACTGCT TATAACTATT ACTGCTACCT CTATTGCTGC
 55701 TTTTAGGACA TTGACTTTTT CAAAGACTCT TTCCATGTCT TAGAATATTT
 55751 TAACTGTAG TCAGCACTAT TTCACAGAAC TTTCTGTGCT GATGGAAATG
 55801 GGCTATAGTT GTGCTGTCTA ATATAGTAGT CGCTAGTCAT ATACATGGCT
 55851 CTTTAGCACT TGCTGTGCGG ATAGTGCACT TGAGGGCCTG GATGTTAAAT
 55901 TTTATTTAAA TTTAGTTAGT TTAAATTTAA ATAACCATAT GTGGCTCCTC
 55951 GCTACCGTAT TAGACATACA TAGTATATGT TGCTATAACT TTCTTTCCCT
 56001 GTATTAATTG AAAAAATTTA TAATTTTAAT GTAATTTTAA ACTACCAGAA
 56051 ATGTTACAAG AGTAACACAA TGAACCTCCA TATGCCCTTT ATCCAGATTC
 56101 CCAAATTGTT ATTTTTCAC ATTTGCTTTA TCTTTCTACC TACATTTTTT
 56151 AATGAACCAT TTGAGAATAA GTTTCAGACA TGATGCTCCT TTGTCCTAAA
 56201 TATAATACAG CTGTGAGTAT TTTCTAAGAC CAAGGACATT CTTTTATGTA
 56251 ACCATAGTAC AGTAATCAAA ATCAGGAAAT CAACAGTGAT ACAATGCTAG
 56301 TATGAAACCC AGTGGTCTC AAAGTGTGAC CCGAGACCAG TATCATCAGC
 56351 ATCACTTGGG AACTTGCTAG AAATACAAAT TCTTTGCCTC TACCCAGGCC
 56401 AGCTGCATTG AATCAGAAAT TCTGGGGGTG GGTTCTGGC AATCTGTGTT
 56451 TTGACAAGCC TGCCAAATGA GCCCAAAGCA TACTGAATTT CGAGAATCAC
 56501 CCATCTAATT CACAGTCTAT ATTGTCTGAA TTACATTCTT AGAAGGGACA
 56551 GTTCTATAAG ATTTTGTGTT TTGTTGCTGA GGATCTCATC CGGAATCATC
 56601 TGTGTTGATT TTTAAATGAT GGGTGGTTTC AGTGGGCTGA GCTGCTCTCC
 56651 CGGGAGGGGC TGTTGCCATG GTGATGGCTG CTGGCAGTGC TGAGAGACAG

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56701	CTGTGGGGCC	GCCTGGGCTC	TGTGTGCCAC	TGAGCTGGCA	GGTTGCCACT
56751	TCCCTGGACT	CCTGAGGAGT	GACTTGCACA	GATTGCTCCG	TTCTTGTAA
56801	CAGAGATATT	TCTCATCATC	AGACCCAAAT	TTACTCTTAA	CTGGCACAGG
56851	GCTGGTGTTA	TCCTTTTTTAT	TAAGGTAAAA	TAATAGTATA	GGAAATGGCA
56901	GGTGACCAAA	ATTGCACCTC	ATAGAAAAAT	GCTATCACA	CCATTGAAAT
56951	GGCTTATCTC	TTTATCTCCA	GGTTCCTCT	TCTGTAATTT	AATTTGGGCG
57001	CTTTCAAGAC	TGAAATATAT	AAATGCATTA	TGTGAGGCTTC	TGCATCTACT
57051	ACCTAACCCCT	TTGGACACAT	ACATCAGATT	ATGAGTGTAA	AACAGCAGAC
57101	AACTGAACTC	TCATAATTTT	TGGTCAAGAT	TTAACCAAAT	CTTTGATGGG
57151	GAATAGTTCC	AAAACCTACCA	GAATGGCAGA	ATATTTCAAA	TATTGGTGTCT
57201	TTCTATTTTC	CTCCATGTAG	GAAGGAAATG	GAAGTACTGC	CCATCCTCCA
57251	CAGTTTCACA	CCTTTTCATC	TTTGCTTAGG	CCATATCCTC	TGAGAATTGCC
57301	CTTCTCTCTA	GTCCCACATC	TTCAAATCTT	ACCTGACTC	CGAGGCCGAG
57351	CTTAAATGCC	AGCTCCTCTC	TCATAATCAA	AGTTTCCAAT	AAACAAGGTT
57401	CCTTTCCCAT	AAACAAAGCC	TCTCATAAAC	TCGTGGCTAG	AAATCACTCC
57451	CCACCCCAAT	CCCAATCCCC	TCAACTCTCA	CAGAATCTTT	ATCTCTCATG
57501	GTACAAAGCA	CAGTTTACAT	CATATGAGCC	ATGTCAGATT	CTCAGCATGT
57551	GGGATTGATC	TTTTTCTGAT	TCATTTTTCT	ATCACAATCGT	GGACCCACAT
57601	AGTGAACCA	AAAGAAGTTA	GCACCTCAAG	TATTTTTTGA	TGATTCTTTT
57651	ACCTCTTGGT	TCCAGCTGCC	TCCCACCTGA	TTTTCTGTCAA	ACACTAATGG
57701	TAATGATAAA	ATATTGAATC	CTTCTACCTG	TTGTATATGT	TAAAAGTATT
57751	TTGTCTTACC	TTACTGTGCT	GATATACCTA	ACAAATGTGCT	GCACTGGAGA
57801	CCTGTGAGAT	ACTGCCTGAA	AGTCTTCCAT	TTGGGTGAAG	ACAAGGCATC
57851	TCCAGAAACC	TAGGCATTAA	ATTAGTAGAC	ACACTAGAGA	ATGGGTGAGA
57901	TCACATATCT	TCAAGAGTAG	GTGGTGGTAG	TGGTGTGGT	GGAGAGAACA
57951	TATGATAGGG	AAAAAGGCAG	GAAATGTTGG	ACTCTCTAT	TTTCTGCTTG
58001	GTGACATTAA	CATAGGTAAA	TAAAAATTTT	ATCAATGTAG	TACTAGTTCT
58051	CAACATTGGC	TGCATCTTAG	AATCACCTGA	AGAGCTATCA	AAAATCCTGA
58101	GGCCTGAGGC	CCACCTCTGG	AAAGTCTGAT	TTAATTGATC	CTCGGAAATG
58151	GCCCAGGCAT	CAGGGTTTTG	AGAGTTCTCC	AGGTGATTCT	AAAATGCAGC
58201	CAGGGCTGAG	AATGGCAAAA	TAAATAATTT	TAAAAATCTA	AAAGGAGAGA
58251	ATAGTTAGTG	TGGAATAGAA	CAAATAGTTA	TAAAGGAAAA	ATTTGTCAAT
58301	ATTGGTGGAG	CACTAAGCAA	AGATGAGGCC	CAGAGCTGAG	AACAAGAGAG
58351	TCTGGCCCTG	TAGTGAGTGT	AGTTTTATGA	TCAAGCCATT	TAGCCTGTTG
58401	CTCTTATTCA	CGAAAATTGC	ACAACCTGTT	CTCCTTGCTT	CCCAGGCAAC
58451	CTTCTGATCC	TAATTTAGCT	TTCCATATAT	GTCTCCCTCA	ATAGGAAAAA
58501	ATATGCTGGC	TAACCTGAGA	TGAGTTCCTT	ATTGCCCTTG	CAGTTTTAGC
58551	TCTCAATTGT	TATGAATACG	TTGGCAATCT	GGATTATTTA	TTGATGCCTT
58601	ATGAACCTGA	AGTTTACAAT	GGCAATTGTA	ATCAAGGGAC	TTTCCAAAAG
58651	CCATTACTGA	GCCCCAGATC	TGTGTCAGAT	ACAATTATAG	TCATTGTGTG
58701	GCATAACAGA	GATAATATGA	TAATATTTAA	TGAATTTTCA	GGTAGGATTA
58751	ATGAGTCATT	TATATCAGTT	GCTAAAATAC	AAGGGGGAGT	GTGGTATGTG
58801	TTATGGGAAG	GGTATGGTTA	AAGTGCTGTG	GGGGTAATAG	GAGAGAGAAA
58851	TGACTTCTGA	CATGAGGAA	CATGAAGGGG	CTAGCAATCT	ATTTGAGTTC
58901	GCAGTACGGG	AAAGATTAGG	CCAAGAGAA	TAGAGCAAGG	ACATTTACAG
58951	TAAATGGAAT	GATGTGATAA	AAGGCTCAGA	GGTAGAAAAG	CATGGGATGT
59001	GATTTAGGAA	CCCAGTACTT	CACCTTTAAT	TGTAATATGT	TTGCAGTTAA
59051	ATACATTCCC	TAATTTTAA	AACTTATATA	ATCATAGTAT	AATTATCAAA
59101	ACTAGGAAAA	TAATATTTTT	ACTAGTTTTT	CCCTTATATG	CTTTGGTCTA
59151	TTCTAGGATC	CAATCCAGGA	TTCTACATTG	CATTTAGTTC	TATTTCTTTA
59201	GTCTCCTCTA	ATCTGTGACA	ATTTCCCTTT	CCTGCCTTGT	TTTTTATGAA
59251	TTTGACACTT	TTGATGGGTA	ACTGGCAAGC	TATTTTGTAG	AATGTCTCTC
59301	AGTTTGGGTT	TGTCTAATGT	TTTATCACGA	TTAGATTGAG	GTTACATATT
59351	CTTGGAAGAA	CTACTACAAT	AGTAGTATTG	TATTTCTTCT	AGTACATCAT
59401	ATTAAGGGGT	ACCAGCTGTA	TCTTATTACT	GATGATGTTA	ACTTTAGTCA
59451	CTTGGTTAAG	GTCTTGCTTT	TGGGGTTTTT	TCACTGTAAA	GTTACTATTT
59501	TTTCCCTTTG	AAATTGATAA	ATATCCTGGG	TAAGATAGTT	TGAGAGTTTT
59551	CTATTAATAA	TAGCCTGTTT	CTTTTCAAAT	CTTCACTCAT	TAATTTTAGT
59601	CTCTTTCAGT	GAAGTTGCC	GTGGCGATT	TTACTCTCTA	TTCTTTACCT
59651	AATTGTGATT	ATATATTTCT	CTCATCTCTT	CTGTATTTAC	TAATTTGGTAT
59701	TCCACTGTAA	GGAAGAGCTG	CTGCTTCTCC	TCCATCCATG	TATTTTTTCA
59751	GTTATTTATT	TATATTAGTA	TGAACCTCAT	GATTTTAAAA	TATTATATGG
59801	GTTACACCCA	TACCGTTCAC	TGTTTATTTT	GTGTCTCAA	TTGTTCCAA

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59851 TTTGGCTAAT GGGGTTCCCTT CAGATTGGCT CCTGTGTCTT TTTAACATGC
59901 CCCTATCCTT TTTTGAGGAG AAGTAAATTC TTGCTTATTA ATTCCATTTT
59951 ACAGTGAAG AAACAGGACC CCAGAAAGTG GAGTGATTTT CTGACTGTTA
60001 AATCCAGGGC AGAACTAGGA CCAGGGGTAT TGGGATAGAT GCTCCTTTTC
60051 TTGGCTTATT CTCAATTATT TTCAGTGTCT TTATCCATCT CTATTTCTAT
60101 AATACATATA CATATTACCA TAAACTATTT GTACACAAAT GCAAATTTTA
60151 ATGTGATGAT ATGATTATTT TCTCTCAATG GAAGACTAGA TAAGGTTTTA
60201 AATAGTGGGA AGTGTGTAGA CTTTGGCATC TTCTATTCAA ATCTTTGTCC
60251 ATTTCCCTCA GCAAATTATT TCATTTCTCT GACCCGTTTT TCTTAAGAGA
60301 GTATAACATA TATTTTGT TTATAGGGAT TTGAAATAAT GAATGTTGAA
60351 AAAGTGACTA TCAGAGCTTT TCTCCTAGTA GATTTTCAAT AATGAAAGTT
60401 ATTATAATTG TTCGTTATTT CACTGTTACT CACCCCCCTT TCCTCCCTCC
60451 GGCTGTTTTT TAGAAGTAAA GCTAGTTTTT ACCTCTGAGA TTTTGTCTGT
60501 CAGCCTTTAG TATGAGGATT CATGCCAAA GGAAGAAATA TGCAAATTCT
60551 TTTTTTTTTT TTTTTTTTTT TTTGAGACAG AGTCTCACCT CATTGCCAGG
60601 CTGGAGTGCA ATGAATGGCA CAATCTCAGC TCACTGCAAC CTCTGCCTCC
60651 CAGGTTCAAG CAATTCTCCT GCCTCAGCCT CCCGGGTAGC TGTGACTACT
60701 GGCGCGTGCC ACCACGCCCA GCTAATTTTT GTATTTTTAG TAGAGATGGG
60751 GTTTCTCCAT GTTGGCCAGG ATGTTCTCCA TCTCCTGACC TTGTGATCCG
60801 CCCACGTCAG CCTCCCAAAG TGCTGGGATG ACAGGCGTGA GCCACCGTGC
60851 CCGGCCGCAA ATTCTTAACC ACTAATAGGC CTGCTAGTAA CTTTGAGGCA
60901 AGTACTTTCC GAAGTGATTG TACTATAAAA CGGAACATTT GAAATTTCTT
60951 CATATGTTTC TTTTTTATGC AAAAGTATTT AAACAAACCA AGTAAGCGGG
61001 TTGAGTTTTG CAATCTTGAA TCTCTAGTGC GTGTCAATAG ACTATTAGAA
61051 GTAAATTTGG CAATGACGTG CAGCCACCAG GCTTACTAGT TCTCAGAGGG
61101 TCCTTGTAGA ACTTCATATT GGGTGTGTG TGTCTAGTAT TAGAAACAAA
61151 TCCTTTTCTG TGCTTCAGAA CAACTGCTTA TAGTCCTGAA GCCTGTTTGG
61201 GACCACCACC CCCGAGAATT GGTATTTTAT AGATGAGGAA CACCCCTGGA
61251 ATTTGACCAT TGTGACATTG ATGGTGATC ATCCTTCCTA CTGTGAACCT
61301 AAATCAGGCA TCCACACATT GGGCTGTGCC ACACCTCAGG ACTGTCTTCA
61351 GTGGTTTGCA TTGCTGGGAT TGCTGCTGAT TGAAGGAACT AAGCATTGTT
61401 TTCAGAGTGG TGGGTCCCAT CGGGGCCCTC TGATTTTCCT GGGCAGCTCC
61451 ATCTAGGAGT AGGTAGGCTT CCCTGAATTT ATCCTGTGTC AATTCTATGG
61501 GTCTAGATTT TGTCAGTTG GGAAGGCTG TAAATAATAC GAGTGTCTAA
61551 TGTTTTTATA TACCTAAACT GATCCATTG TGATTTTTAT AAGTATCAAA
61601 ATTAAGTCA TTTGGTTTGT TCCATTTACT TTCTTTCTTA AACTATGAAA
61651 TATTTTGACC TTTTAATGAA AAACAATAAA AAATAAGACC ACTGATTTTT
61701 ACCTAAATTT GTTAAATCTA ACAATTGAAA AGCAAGACTA GTTTCATTGA
61751 AAAGAAATGC ACTAATGCAC TAATAGAAAG CAATCTGCAA ACCCAGTAGA
61801 GTTTATGACA TTTGGGGTAA GGCTTAGCT GTCATATGAA TTTATATAAA
61851 TACAAGTGTT TAAAAATAGA ATCACACTAA TTTATTTCAA ATGGTTTTTT
61901 TTTAAAAAAC CTGTGCTTT ATAGATAAAA GCATTATTTT ACATTATTTT
61951 ATATCACCTA AGAATAAGTT CTGCCATTTT TTATTCATCT ACATTTACCT
62001 CAGCAAAAAG AACACTATCT CTAAAAGAAT TTGAAAAAAA TACTAACTAA
62051 ACTCAAGATG TTCATTTATA TTATTAGAAA TGAAAATCAT AATACTGCAT
62101 GGCATTCTTC AGTACCTATT TAGAAGCTGG TTTTTTCTT GTTTTGCTTT
62151 TAAGAGCATA ATGTGGCTTG ACATTTCCCC CACGTTTTAT GCAGTCTCTT
62201 AAAGTGCACT TCCAAAATTC TAGGAAAATG TCCTTGGGTT GTACAATATA
62251 ATGACAAAGG ATCTCCTCCC TCACTGCCTT TACCTCCATT TATTGGTATT
62301 CTCCTAAGTA ATGAAACAGA GTTTCAAAAA CATGTTATTG TAAAATGACT
62351 CTTATTCAGC CCTGCCTTTC TCAAGTACAT CTTTTGCCTT TGGAGTTGTT
62401 CAAATTTTAG ACAAATGTT TCCACTGACA GGCTAAATAT TAAGTACATG
62451 GCCTGTTTTAT ATTATTGCCT AGCATCATGC CTCAAAGTTT GTTCCATGGA
62501 CCACCTGTCC TAGAGTCACG AAGGATGCTT GTTGAAAATA CAGATTCCTT
62551 GGGTCTATGT GGATTTACTG AGTTGGAGTT ATTGTTGCTA ATGTCTAGGG
62601 ATATGCATTT TAAACAAGCA ACTTGGAAGA TTCTGATGTA TAAAATTTGA
62651 GGTCCACTGG AAGGATGCTT ATTTAATGGA GATATGGTAG GCTATGAAGA
62701 ACAGCATTTA AAATGTCAAT CCAGTGAATT AATAAGGGAA GCTTTTTTCAT
62751 TATTTTATTT TGTTTTATTT TGCGATGGAG TCTTGCTCTA TTGCCAGTC
62801 TTGAGGGCAG TGATGGGATC TTGGCTCACT GTAACCTCTG CCTCCTAGGT
62851 TCAAGTGATC CTCCTACTTC AGCCTCCCGA GTAGCTGGGA TTACAGGCAT
62901 GTGCCACCAC GCCTGGCTAA TTTTGTGTT TTTAGTAGAG ACGGGGTTTC
62951 ATCATGTTGG CCAGGCTGGT CTCGAACTCC TGACCTCAAG TGATCTGCCT

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63001 GCCTTGGCCT CCGAAGTGCT GGGATTACGG GCATGAGCCA CTGCACCCAA
63051 TCTGCATTTA CTGAGTCAGA GTTATTGATG ATAATGATAA TGATAGTTGA
63101 TGATAATAGG GATATGCATT TTAACAAGC AACTTGAAG ATTTGATGC
63151 ATAATATTTG AGGTCCACTG GAAGAATGCT TATTTAATGG AGATATGGTA
63201 GGGTGTGAAG GAAGAGCATT TTAAGTTGTC AGTCCAGCGA ATTAATAACG
63251 GAAGCTTTTT CATTTTAAAA TAAAAAGCAG GACAGAATAA TTTTGAAGT
63301 TCCTTTTAGC CTTAAACATT GCAGGGGTTT TTTTGTTTT GTTTTGTTT
63351 TAAATTCAGG CTTCTGAGAA TGCTCTTCTT TTGTCTTTTA AGGTTGTAAG
63401 TGCTTTGATT GCCAATGTTA ATACAAGGAT TAATTTTAA AATCAAATCC
63451 TTTTAGGATT TAAAATTTGA TAATAACAAT CAAAGGTGGG GTTAAGAACA
63501 CTGAATTTGG GTTGTCTTC ATTTCTTTAA AGCCTCGACA TTTCAAAGGC
63551 AATCTGTCAT TGGCTAACTG GGATGGTGAA AGGAGGAGAT ACTATTAATC
63601 CATCAAATGT TACAGTTTGG GTTACAGATT TTCAAACCT TAGAAGTTAA
63651 CATCAAGTCT TTTATTGCAA CCTTCAAGAG ATAATCTTAG TGAAGGAAAA
63701 CATTTTTTGA TAGCTGTATA GACTTAGGGC AATATTAATT TTGGGTCAGT
63751 TAAAGTCAAT ACATTTTTCA TGAAAGTTAT TTTAGCAATA AAAGTCACTA
63801 TTAAATATCT CTCAAGGACA AAGTTAAGAA AACAGAATAT ACTTACAGAT
63851 ATTTAATAAA GAATTTCTTA GACCAACGCA TTACATTTCA TCAAAAACAT
63901 TAGCTTTTTA CTTTAAAGAC AGCTTAGAGA AAGAAAGTAA TGCTTTTCAT
63951 ATTGCTGAGT TAAATCAGA CTA AAAACTG TATTTCTTTG TTGTGTCAAA
64001 TCATAATTTG TTGTGTCTAA ATCTTTGAGT GACTTGCTCA TCATAATTAA
64051 ATCCTTAGAA AAAATCAGAG GTTTTGTGTT ATTTTGTG TGTTTTGAGA
64101 TTGGGGTTTC ATTCTGTCAC CAGGCTGGAG TGCAGTGGTG CAATCATAGC
64151 TCACATGCAG CTC AATCTCC TGGACTCAA CGCTCTTCCC GCTCCACGCT
64201 CGCAAGCAGC TGAGAATATA GGCATGACAC CAGGCTGGGC TAATTTTAAA
64251 ATTGTTTTTT AGAGATGGGA TCTTGCTATG TTGCCCAGGC TGGTTTCAAG
64301 CTCCTGGCAT TAAGTGATCA TCCTACCTCA GCCACCTGAA TTACTGGGAT
64351 TACAGATGTG AGTGATTGCA TCTGGCTGTG TTTATTAAG AACACAGTAA
64401 ATGCAAAACA AATAGTTTTT CTGAGGATA AACATGTAAA ATGGAAATAG
64451 GAAGAATAAC TTAGAAGACA CAAGACACAG ATCTTGGATT AATTTAATCT
64501 TTCAGGTTC TCTCTCCTG TTGATTTTAC ATAGCCCTTG CTTAATGCTA
64551 AAAACAGATA TCTTCTTCT TTTTAAAGTT CTACCCAGAA GGCAATGGGG
64601 AGTTTGGCTA TTTCTTTGG ACATTTCACT TTGAGGCCTG TTATTGAAGG
64651 CCCTTTTCTG GTTTTTCCTT CAATAGTCTA AATATATATT TATTTAATTA
64701 CAGGAAATCA GGCACCTAAT ATCAATGCAG GAAACAGACA TAAACTTTT
64751 ACCCACCTCT GTTGTCTGCT ATCTCTCCTT CCACTTGAAA GATTGTAAGC
64801 AGGTGATTGT CAGCAACA AATAATGTCA CTCAGAGAGC ATGCATCCAT
64851 ATGGCAAGGT AACCCAGAAA ACATAATTAT GCTCATTAC AAAAAATAAA
64901 GAAGTTGATA TAAATGTAT AGAATTTAAT ATTTCTTTAA CACAGTTTAA
64951 AAATGACAAT AGGATGTGAA AAGCAGCATT GCAGTTTGGG GATAAATTC
65001 TGAAAGGAAT GCTATTTTAA TGCACAAATG TCTCCAAATT TTAGTATTAT
65051 AACTGTTAAA ATAAAACTT TAAATAAATT AAATTTACCA AAGTTTATTT
65101 GAGCACACAC AAAAAAATT TCTTGAATTG GGCAAACTTC AGAAGTAGAA
65151 GGAGTTTCGA GAGCTCTTTC TGCCCAGCAA CCTGAGCAAT GAGCTTTTAT
65201 AGGATGGACA CAAAAGCAA CCAGAGAAAT CATTTGATTA GCTATAGCTA
65251 GGCATTTGCC TTATTTGGGC ATGGTGTGAT GATTTGGCTG CCTGTGATTG
65301 GCTGAACTC AGCTATTCT TCTGTGTATT GGTGTGTTTA CATACTACGT
65351 TAGGGTGAGG TTTGCTGCAC AGGAATGCAA GGTATGGAGG CAGCTTCAGG
65401 CCAAATTTAA GTTAATTTAA CAATTTCTCC CTATTAGTCA GTCTCTCAA
65451 ATTGGGCATT GATGCCACTC TGTCAACATC GTCATGGACT TTTTGGTCT
65501 TGGTATGAAA TACATAATTC ATGGCATCAG GCTAGTTGAA TGATTCTTTA
65551 TGTTCTCTTT GTGTTTTTGT TGTTTTAAACA GTAGTGAGAC CATTGATGT
65601 ACAACAGATG GCTGTATATG AGCATTTAAG ACACTTGAGA GAATATAGAA
65651 CACCAGGGAG ACTATTGTGA TGGTTATCAG GAGGATAATA CTAAGAGAGT
65701 GAAGTGTATT CCTTAACAGA GGCCACCATG AACCAAAACA ATTATAATAA
65751 AATGAATCAA AAAAAAGAGC CAGAAGAGGA ATCTACTTGT TTTAACCAAG
65801 TAACTTGTTT GTTTACTTTT TAAAACTGAG TTTCTACCGT ATCAGACATA
65851 TTTATGAAAG GGCAGCATGA GATGTTAGCC ACTGCATACA TATTCCCATG
65901 TTCATCGAGT AGTCCAAAAC AGTCTAAAAC AATGTTAGCA AGAGAATTTA
65951 TAAAGGATTC TGGGCAACGA TAGCCTTTGC AATAGAGTCA GCTATAGTAG
66001 CTAATATTTG AGACAGATTT CTAATAATAA CTCTATATAC ATTTATGCCA
66051 AGCCAAAGAA GAACCATTCT ACAAAGATG CCATTTAGA GTGATTTAAG
66101 CTGCCGGAA AGTTCTCTT TATTATTTTT GTTTTAAAT ATGGAACGCT

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66151 TCATGAATTT CCGTGTCAATC CTTGCACAGA GGCCATTCTA ACCTCCTCTG
66201 TATCATTTCCA ATTTTAGTAT ATGTGCTGCC AAAGCAAGCA CAATTTCTCG
66251 TTAATCCATG GCACAAATTA AGAGATACAG AACAAATGTT AGTTTCCAGT
66301 TGCTTATGAA GTGACAGTGG TACTGTTAGA ATCTCTAATC CACATTGGTC
66351 CCTTATTTTTC CACTTGAGAC AAGGAGTTGC CCACACATAT GGTTGATCAT
66401 TAAATCCTCC ACAGATAAAA ATATATCCTG GAGGGGCACA AGACACAGTT
66451 CCTTGTGTGA TACTTTGTGT GTTAGAAATC ACCAGTTGGG AAGCACTGGT
66501 AATATTTTATC CAAGGGTCCA TTATTGAATC ATTGTATGGT AGATTACTTC
66551 TTACCAATAA GAAGGGATTA GGGTTATAAA GTTGTCTACA AACTGTCAAC
66601 TTATCTTTTCT TTTGGTTTTCT TTAGTTTCTG GCATAATTTA GCTGCAAAAC
66651 CCTCAATATA GTTTTTTCTT ACTATTAGAT TTAAACAAGA GTCTGAATAT
66701 ATGAATCTAA AAACCCAATC ATGTGGAAAG AACCAGATGT GCAATTTTTT
66751 TTTTGAGACA GAGTCTCGCT CTGTCTGTCA GGCTGGAGTG TGGTGGCATG
66801 ATCTCAGCTC AGTGCAATCT CCGCCTCCTC AGCTCAAGCA ATTCTCCTGC
66851 CTCTGAGTAG CTAGGATTAC AGGCGTGTGC CACCACGCTT GGCTAATTTT
66901 TGTATTTTTA GTAGAGATGG GGTTCACCA TGTGGCCAG GTTGTCTCTG
66951 AACTCCTGAC CACCCGCCCTC TGCCTTCCAA AGTGCTGGGA TTACAGGCGT
67001 GAGCCACTGC GCTTAGCCCA GATGTGCAAT TTGAACAAAT AGTCACCCCTT
67051 GGAATATTAG TGAAATTTGT TACATGGTGA ACTAGAATAT CTCTAAGATC
67101 ATATAGGGAT TCAGGTTTAA CATGACATAG TCAACATPCA GTCTAGTTCC
67151 CTGCAAAAGC TATCAATTAT GAAATCTTAA TTATCACATT ATCTTGCCAT
67201 ATATAAACAG AAAAGAAAAC AAAGAGGAAA GGGAACAAAG ATTTCATAGT
67251 GACAGAGGAG AACAGTCTTG ACCTGTGATC TTGGGAAAGC TGTCCACATC
67301 TAGGATGCCA TTTGCTTCTG GAGAAAAGCT TCCCTAGTCA GCTTTACCTT
67351 GAGATCTCCA GTGGATTTAC TGTCCAAGA GTCTGGAGGG GCTCTCTTGA
67401 GTTGAGATAT AGGGATCCAA GGCTTGAGGC CCTGAAATTT TGCAGTAGTG
67451 TGGGTGGTGG GAAGAACTTG GTATGATCTT TTTCACTGAG GCTCAAGGGC
67501 AGTCTTTCTC TGGTGTGCT TCCAAAAGAC CCATTCAGTG GGTTCTAGAT
67551 CATGAAAGAT CTAGTTGTCA TCAGCTGGTG GGTCACAAAG GGTTCCTTTT
67601 AACTGGTAAA AATATACTTT AGCATAATGC ATTAATAATCT TTCAATATTA
67651 AGTCATGTCA GAACCTTATA AAGTGTGAGA TTCATGAGGT GCTATTATTA
67701 GGGCCATACA CCTTCCGGTA ACTATTTTAT AAGGGGTCAA TCTGTGTTTT
67751 CCAAGGGGGG TGGATCTGAC TGCCATCAAT CAGTAATACC TTTGAACAAG
67801 GCAATACAGT CAATTCAGTT AGCTTTGCCT AATACCATTG TGTTTGTAAAT
67851 AACTTATTTA ACTGCTTTAT AACTTGTCCA GTGAAATGAG CGCCTCTACC
67901 ACTGGAAAT TCTCCAGGAG TATTCATAA AGCAAACACA TTTTCATGATA
67951 ACCTTTTAGC TACTGTTATA TCAGCAACCT TCCTGCATGA CGGGAAAGCT
68001 TCTGTACATC CAGAACTAT TCATTGAAGG TAGGAATTGA GTGATGTCCA
68051 TCTGTAAGTA TTCAAATGAT CCAGCAGGTG CTGGAAATGT ATCATCTGAG
68101 TGTTTTATTG TCTTGCAAAA ATTATGGGTT TGACAAACCA GACAGTGGTT
68151 ATAAACCATT TTAGGAATTT TAGAACAGAC AGCCTGCCAG TATTTTTTAA
68201 AATAATTGGG ATTATTTTCT CTCTCCTGTG ATGAGTTAAG GAGTACAGAG
68251 CTTCTAATAA TTAAAGCTTT AAGGACTCAG GAAGGACCAA GCAACTGTCC
68301 AAGCCCTCCA TTAGCCACA CTTAACATTG AATTTACATC CTTTTAAATA
68351 CCAGTTGATT TCTCCAATTC AGGCACACAG CATTGTTTAT GAAATAGTTC
68401 ATCATAGGTA ATTTGACTTG GATCAATCTT ATGGAGCTCA TTCAAATGTG
68451 ATATCTTAAC AATTTAGTA CTGGCTGACT TAGTATGAAA ACCTGCCAAA
68501 GCATTTCTCT AGCAACCAAT TAATTGGTGT TCTGCTTGAT GTGGGGTTAG
68551 TGGTTTTATG AACCAATCAA TTTATTCATT AGCATTCTAG AAATTCTTAT
68601 CTAATCTAAT TGTGTGAACC TAAGGTTATC AGAAACCTAT GTTGTGAGAG
68651 TTCTTTCCAT GAATCCCTC AAAGTTGAAA AATTTAGGTT TATAGTTGTT
68701 TTCAATAGCT TTCAGGAAAA TACCAGGTA AAACAATTAA CTGTCTGTGG
68751 ATGGCAAGAC TTTAAATGAT AATGGTTAAA TGTCTGATGA AAATTAATTA
68801 TAATGCAATT GACAAGAAAA TTTTGTTCCT TTTTCTGTAT ATACAGTATT
68851 TTTTAAAAAT TAAAATTACG AGTGATAGTA ATATGTCAAG ACTATCAAGT
68901 TTCTGGGAAT TTCATATAAT TTCTGGAAAA CATATTAATA ACATACTCAT
68951 GCAATATAAC TTAAAGATGG TTCAGCAACA CTTATTATTT GACAATGCTT
69001 CCCATGCAAT TTAACACATC AAATAAGCCT AATTAGTTTA ACATCTCTCT
69051 TTTTTATAAG AAGAGAGGAA AAAATTCCTT TGAGAAATTC CAGAAGTCAG
69101 TTTGGAAACT TCCAAAGTTG GTTTGAGGTC GAAAGGCCTT AATTTAATGC
69151 TTGATTTTGA GAAGTGGTTA AAAATGTCA AAGGGTTTAA AATAATTTAA
69201 ATAGGATCAG AGGTCACCTG CAACAGTAGT CATTTAAGCA GAGTGATAAT
69251 TAAAATACTT CAAAGAAAGT TACATAATTA TAGAAAAACC TTAGCTTTTTT

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69301	AAATAGAGAG	AACGTGTTTC	TGAGTGATC	AAAGACTTA	TAAAGACCAC
69351	ACGAAGCACA	GGAAATGTGC	TTTTTAAAAA	AATTGACATA	TTTTTGTAT
69401	AGAGGGTACA	TCTGTAGGTT	TGTTACATGG	GTATATTGCA	CCCAGGTAGT
69451	GAACATAGTA	CCCAATAGGT	AGTTTTTCAA	CTCACATCCC	CCTTCTCTCC
69501	TCCCTCATCT	AGTAGTTGGC	AGTGCTCTGT	GTTCTCTGT	TTATATCCAT
69551	GTGTGCTCAA	TGTTTAGCTC	CCACTATATA	CATGTGATAT	TGTGTTTTCT
69601	GTTCTGTAT	TGTTTTGCTT	AGGATTATGG	CCTCCAGCTT	CATCCATGTT
69651	GCTGTAGAGG	ACATGATTTC	ATTCCGTTTT	TATGGCTGTG	GAGTATTCCG
69701	TGGTGTATAT	GTATCATATT	TTCTTTATCC	AATCAATGAT	TGGTGGGCAC
69751	CTAAGCTGAT	TCCATGTCTT	TGCTGTTGTG	AATAGTGTGG	TGATGAACAT
69801	TATGCATGCA	TATGTCTTTT	TGGTAGAATG	ATCTATTTTC	CTTTGGGTAT
69851	ATTCACAGTA	ATGAGATTGC	TGAGTTGAAT	AATAGCTCTG	TTTTGAGTTC
69901	TTTGAGGAAT	CTGATAAATC	CTTTCCACAG	TGGCTGAAC	AATTTACATT
69951	CCCATCAACA	CTGGGTAAGC	ATTCACTTTT	CTCCACAGCC	TGCCATTAT
70001	CTGTTGTTTT	TTGACTTTTT	ATTTTAATTT	AATTTAATTT	AATTTTATTT
70051	TATTATTATT	GTTATACTTT	AAGTTTTAGG	GTACATGTGC	ACAATGTGCA
70101	GGTTAGTTAC	ATATGTATAC	ATGTACCATG	CTGGTATGCT	GTACCCCATTA
70151	ACTCGTCATT	TAGCAATTAG	TATATCTCTT	AATGCTATCC	CTCCCCCTCT
70201	ACCCACCCCC	ACAACGGTCC	CCAGAATGTG	ATGTTCCCTT	TTCTGTGTCC
70251	ATGTTGTTCT	ATTGTTCAAT	TCCCACCTAT	GAGTGAGAAC	ATGCGGPTGT
70301	TGGTGTGTTG	TCCTTGCGAT	AGTTTACTGA	GAAGATGGTT	TCCAATTTCA
70351	TCCATGTCCC	TACAAAGGAC	ATGAACATCAT	CATTTTTTAT	GGCTGCATAG
70401	TATTCCCATG	GTGTATATGT	GCCACATTTT	CTTAATCCAG	TCTATCATTG
70451	TTGGACATTT	GGGTTGGTTC	CAAGTCTTTG	CTATTGTGAA	TAGGGCTGCA
70501	ATAAACATAC	GTGTGCATGC	GCTTTTATAG	CAGCATGATT	TATAGTCCCT
70551	TGGGTATATA	CCCAGTAATG	GGATGGCTGG	GTCAAATGCT	ATTTCTAGTT
70601	CTAGATCCCT	GAGGAATCAC	CACACTGACT	TCCACAATGG	TTGAACTAGT
70651	TTACAGTCCC	ACCAACAGTG	TAAAAGTGTT	CCTATTTCCT	CACATCCTCT
70701	CCAGCACCTG	TTGTTTCCCTG	ACTTTTTTAAT	GATTGCCATT	CTAACTGGTG
70751	TGAGATGGTA	TCTCATTTGT	GTTTTGATTT	GCATTTCTTT	AATGGCCAGT
70801	GATGATGAGC	ATTTTTTCTT	GTGCTTTTTG	GCTGCATAAA	TGCTTCTTTT
70851	TGAGAAGTGT	CTGTTTCATAT	CCTTTGCCCA	CTTTTGTGAT	GGGTTGTTTG
70901	TTTTTTTCTT	GTAAATCGTG	AAGGACCTCT	CCAAGGAGAA	CTGCAAACCA
70951	CTGCTCAATG	AAATAAAAGA	GGACACAAAC	AAATGGAAGA	ACATTCCATG
71001	CTCATGGGTA	GGAAGAATCA	ATATCGTGAA	AATGGCCATA	CTGCCCAGG
71051	TAATTTATAG	ATTCAATGCC	ATCCCCATCA	AGCTACCAAT	GACTTTCTTC
71101	ACAGAAATTG	AAAAAATCAT	TTTAAAGTTC	ATATGGAACC	AAAAAAGAGC
71151	CCGCATCGCC	AAGTCAATCC	TAAGCCAAAA	GAACAAAGCT	GGAGGCATCA
71201	CGCTACCTGA	CTTCAAACCT	TACTACAAGG	CTACAGTAAC	CAAAACAGCA
71251	TGGTACTGGT	ACCAAAACAG	ATATAGACCA	ATGGAACAGA	ACAGAGCCCT
71301	CAGAAATAAT	ACCACACATC	TACAACCATC	TGATTTTTGA	CAAACCTGAC
71351	TAAAACAAGA	AATGGGGAAA	GGATTTCCCTA	TTTAATGAAT	GGTGTTGGGA
71401	AAACTGGCTA	GCCATATGTA	GAAAGCTGAA	ACTGGATCCC	TTCTTTACAC
71451	CTTATACAAA	AATTAATTCA	AGGTGGATTT	AAGACTTAAA	CGTTAGACCT
71501	AAAACCATAA	AAACCCTAGA	AGAAAACCTA	GGCATTACAA	TTCAGGACAT
71551	AGGCATGGGC	AAGGACTTCA	TGTCTAAAAC	ACCAAAAGCA	ATGGCAGCAA
71601	AAGCCAAAAT	TGACAAATGC	TATCTAATTG	AACTAAAGAG	TTTCTGCACA
71651	GCAAAAGAAA	CTGCCATCAA	AGTGAACAGG	CAACCTACAA	AATTGGAGAA
71701	AATTTTCACA	ACCTACTCAT	CTGTTTTTTG	ACTTTTTTAA	AATGGCCATT
71751	CTGACTGGTA	TGAGATGGTA	ACTCATTATG	GTTTTGATTT	GCATTTCTCT
71801	GATGATTAGT	GATGATGAGC	ATTTTTTCAT	ATGTTTCTTG	GCCACTTGTA
71851	TATCTTCTTT	TGAGGAGTGC	CTGTTTATGT	CCTTTGCCCA	CTTTTTTTTT
71901	TTTTTTTTTAG	ATGGAGTCTC	ACTCTGTTGC	CCAGGCTGGA	GTGTAGTGGC
71951	GCAATCTCCG	CTCATTGAAA	CCTCTGCCTC	CTGGGTTCAA	GCGATTTTCC
72001	TGCCTCAGCC	TCTTGAGTAG	CTGGGATTTA	AGGTGCGCAC	CACCACACCC
72051	AGCTAATTTT	TGTATTTTTT	ATAGAGATGA	GGTTTCACCA	TGTTGTGTCAG
72101	GCATGATCTC	AACTCCTGAC	CTTTGCCATC	TTTTAAATGT	TTTTTTTTTT
72151	CTTCTTGTGT	GATTTAACTT	CCTTATAGAT	TCTGGATATT	AAACGTTTGT
72201	TGGATGCATC	ATTAGTCAAT	ATTTTATTCC	ATTCTGTACA	TCATTTGTTT
72251	ACTCTGTTGA	TAGTTTCTTT	GGCTGTGCAG	ATGCTCTTTC	ATTTAATTAG
72301	GTCCCACTTG	TTTTGTTTTA	GTTGCAACTG	CTTTTGAGAA	CTTAGGCCAA
72351	AATCTTTTGC	CAAGACCAAT	CTCAAGAAAG	GCATTTCTTA	GGTTTCTTCT
72401	AGATATTTTT	TAGTTTGATG	ATTTACATTA	AAATCTTTGA	TCAATCTTGA

75601 TATGTGTGTT TTTGTGGTAG CAGGTGCCAT TCTTTCAATT CCACATTTAG
 75651 CACTCCCTTA AGGACCACTC GTGAGGCTGG TCTAGTTAAA ATGAATTCCC
 75701 TCAGCATCTG CTTTCTCTGAG AAGGGTTTTA TTTCTCCTTC ACTTATGAAT
 75751 CTTTGTGTTGA TGAGATATGA AATTCTTGGT TGAAATTTCT TTTATTTAAG
 75801 AGTGCTGAAA ATAGTACCCC AATCTCTTCT GGCTTGTAAG GTTTCGGCTG
 75851 AGAGGTTTGC TGCTAGCCTG ATGGGTTTCC CTCTGTGCAT GAATTGACTT
 75901 TTCTCTCTTC CTTTAAGATT TTTTCTTTTA CCTTGACCTT GGTGAATCTG
 75951 ATGACTATGT GCCTTGGGGA TGGTTGACTT ATATGGTGTC TAACCAAGGT
 76001 TCTCTGTATT TATTCGTTTT GCATGTCATC CTCTTTAGCA ACATTAGGGA
 76051 AATTTTCATG GACTATATCC TCAAATATAT TATCTGAGTT GTTTATTCTC
 76101 TCTCTCTCAG GAATACCATT GAGTCATAGA TTTGGTCTCT TTATATAATC
 76151 CTATATTTAT CAGAAGTTTT ATTCATTTTT AAAAATTATT TTTCTTTATT
 76201 TTTGTCCAAC TGAGTTGATT CGAAGAACTG GTCTTTGAGC TCTGAGATTC
 76251 TTTTCTCAGC TTGATCCTT CTGTTAATAC TTTTGATTAT ATTATGAAAT
 76301 TCTTGTAGTC AATTTTTCAG CTCTAGAAGC TCAATTTGGT TCTTTTTTAA
 76351 ATGGCTATTT CATCTTTCAG CTCTTAGATC ATTTTACTAA TTCCTTGGAA
 76401 TCCTTGGGTT GGGTTTCAAC TCTCTCCTGA ATCTCCATGA GATTCCTTGT
 76451 CATCCAGAGT CCACATTCTA TGTCTGTCAT TTCAGTCACT TTTGATTGGT
 76501 TAAAAACCAT TGCTGGGGAG CTAGTGGACT TGTTTGGAGG TAAGGGTACA
 76551 CTCTGGCTTT TTGCATTGCC AGAACTCTTG AGTTGGTTCT TTCTCATCTG
 76601 AGAAGGTTGG CGTTCCTTTA ATTGTGGTGT AAATTGAGTA TAGTTAGTTG
 76651 GCTTCATTTT TGGATGTTTT CAGAGGGCCA ATGCTCTATG CAGCTTCTTT
 76701 ATTTGTGGCT GAATTCCTAC CTTTGGTCTT ATAGGGGGTT ATATTAGCAA
 76751 AGTATTTTGG TTGTTGTAGT TTGGGGTGCA ATCCAGTAGA TGAAGCTTAA
 76801 GCGTATTTGC TGGTAGAGGC TCTTACTCTG CTGCATGGCT CCTTTGTATT
 76851 TCCTGCCACT TGCAAGCTTG CTCTGTGGTG CAGTGGCAAG AGAGGTGACC
 76901 CCTTCACTGC ATTTACTCCT GGGCCTTGGG GGAACCTCCT CCAATCACTG
 76951 GCACTGTACC TGCATTTCTT TTGTTAGATG TTTGGGCTGC AGGGTTCCTT
 77001 CAGTCAGAGG CTGAAGTAGG GAGATAGACC ATACCTTTTC AGTCTGGCTC
 77051 TGTGGGAAA GGCATGCCA TTCTGTCTGC GGCCCATGAA CCCACGTGAC
 77101 TCAACCTCT TAGTGCTCTG AGAATGTGGG CTCCATTCCC ACTCAAGTGC
 77151 CTTAGTACTC CTAGGCTATG CACTGCAGCC CTGGGGAGAG ATCAGGGTTT
 77201 TTGTTCCCTC CCCACCTTGG GGGCAGCAGA GGTGGGGCTG CAGTGGCAGC
 77251 AATGGCATA AGCCTGCCAG TTACCTCAGG GGGTGCCACC CCAAAGAAAT
 77301 GCATAGCTAT GGCTAATTTG AGTGATCAGC TAGGGATGGG GCAGCTGTGC
 77351 TGTGGGCCCC AGCTTGAAG TAGGTGGGGT GGGGGCTCTG CCTAGGGAAG
 77401 ACAAAGAAG ATAGTTGGC CTCTTCTCCA TAGGATGGCT GTGGTGTGCT
 77451 ATAGGCCTGC AACACAATC AGGCTGTTTG TTCCCTTTCT AGCCTGGGTG
 77501 TTGGGGGTGA TGGGTGGGTA CTATGGTGGT GGCAGTGACA GAGGGCCTGT
 77551 CAGTTGTCTC TGGAAGCTCC ACCCCAGAGA AATGCAGAAC CACCACTAAC
 77601 TGATCAGGTG GGAGTGGCAC AGCTGCTCTG GGGGCCTAAG CTGGAAGGCC
 77651 GTGCCCAATC AGGAGCAGCA AGTTCAGAGA GCTGCATGGA AAACAGTCTG
 77701 GCTGCCTTAC TTGATGGCAG CTGTGGCATT CTGGAGGCCA ATGACAGTTC
 77751 TTAGATTCTT TACTCTCTCC CCAGCCTGAG GACAGCAGGG GCAGGGGCTG
 77801 TAGCAGTGGC AATTGCAGCA GGCTTGTCAG TTGCCTCTGG GAGCTCCATC
 77851 CCAGAGGAAA GAAGAGCAAT GACCAGCTGG AATGTTTCTA TTGGGGTGGG
 77901 GTGGCTGTGA TTGGACCTTG CCTGATGAGG TACAGTCTGC AGTTCATCCT
 77951 CTCCTCAGCA CCGTGCGTGT GGTACCTATC CTAGAGGTGC ACGAGAGAGC
 78001 CTGAGCTCCT TTGTTTGTAG GGCTATGGCA GCTGGCACCA ACGTGCTCAG
 78051 AGATCCAAAG CTCATGGAGC TCAATGTGGG CTTCAGTGGT AGCTCTGCAC
 78101 AGACTCCACA AGCTCTCTGT GTCGATCTGG AAGCCAGGGG GAGCCGGGGG
 78151 CCTCTCCTGT GCCCAAGATT ACAAAGGTCA TGCAGACATG TGGTCCTTGG
 78201 GGAATCTCAC TCATCCTCTC ATCCTTTCCT TGCAAGCTGG AGCCTCCTCT
 78251 GGCTCTGCAC CAATCCTGGG TGGGCAGCTG TCCTACCTTG CTCTTCTTTG
 78301 CTTTCTGTGG GTCGCTGTG CTCTTTTGT GAATCAAAAC ATGGCCCTCT
 78351 GTATGATCCA CTTGAAGATC TAGTGTTTAC TTGCAGCTCT GCCTCTTCTC
 78401 CATGAGAGCA GATTGCACTA ACTGCTTCTA GTCAGTCATC TTGGCAAGTC
 78451 AGCCATCATG GCATTTCTTT AACTTTCTTA ATTATCTTGA CAAAATGCAG
 78501 AATATTTTCT TAGCCAATTA CCTAAAAGGT AAAACAAAA CAAACAAACA
 78551 AAAAACCTTT TCACAATTTC CTGTTAAAAG TAGACCAGTA CCTCAAGAAA
 78601 AAGTTGTTTT AACATAAAGG ATGAAATTC AATTTCCCTT CATAGTGTTT
 78651 TTGATATTAA TGCTTAATTT TTAGAAAAAT TTATAAATAG CACGTCTAAT
 78701 CTTAGCTAGC TTAATCACGT ATAAAATTC TTTCCCAAGG TTTCCCTTCT

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78751	ACAGACTTTT	TGTATTAGTC	CATTCTCAAT	GAAGAAATAG	CCAAGACTGG
78801	GTAATTTATA	AAGGAAAGAG	GTTTAAATTGA	CTCACAGTTC	CACATGGCTG
78851	GGGAAGCCCC	AGGAAGCTTA	TAATCATGTT	GGAAGGCAAA	GGAGAAGCAG
78901	GCACTTCTTC	ACAGGGCAGC	AGGATGGAGT	GAGTGCAAGC	AGGGGAAATG
78951	CTAGATGCTT	ATAAAACCAT	CAGATCTTCT	GAGACTCACT	CCTGTGCATG
79001	AGAACAGCCT	GGGGGAAACC	ACCCCCATGA	TTTGATTATC	TCCACTCTGGT
79051	CCCGCCCTTG	ACATGTGGAG	ATTATGGGGA	TTACAATTCA	AGATGAGATT
79101	TTGGGTGGGG	ACACAGCTAA	ACCATATTAC	TTTCTAATAT	CCAGTCAGTT
79151	TTTTTCCCCA	AATAGTTCTT	TCTCATTTTG	GATCAATCAT	TCTGCTCTAG
79201	AACAAAAATT	ATTCTCTTTT	TGTTTTAACA	GAACAATACA	CATCCTCATA
79251	ACTTATGCTT	TTCTTTACCA	AAAGCACATC	TTACCTATAT	TGTATACTTG
79301	CATATAAAGT	TGTTTTCCCT	ATTATTTCTA	GTAATTTTAG	TTACATATTT
79351	TAATTAGAAT	TCTTAGCCCT	TTATGACCTT	AAITTTCTAGT	GAACACTAGG
79401	AAGCAAGCAA	GTGTGAATAT	CATGCCAGCA	GTCTATAGAT	TGGAAAACCT
79451	GTGAATTATA	ATTCTAGGAG	CATATACTTT	TTTATAATAC	ATTTTTTTTCA
79501	ATGTGGCACA	GAACATTTAT	TAACAGTCCC	AACGTGCTTT	AGTCTCTCTG
79551	TAGTAAGAAA	CTGTAGAGGA	AACAAATTTT	TATTTCTATC	CTGTTAGGGC
79601	TTTTTTTTTT	TTTTCCCATC	CTTCGTAAGA	ATGTTAAAAG	TTTCTGGTAT
79651	AGAAAGGACA	TTTTTCACAT	GGGAATPTCA	TCTTACCTCT	ATTTGACTCT
79701	TGCTTTTAAC	AATTATGCTT	GAAATGCTCA	TAAAGATGAG	ACATTAAATA
79751	GCTAGCCATC	ACCTTAAGTT	ATTTTTCTTG	CTGACAAGCT	ATGTCACATA
79801	GAGATAACAT	GAACTTATTT	TACTAAATAA	ACCTAGGGGA	GAAGAGTTGT
79851	GCATCTGTAT	TATACTAAAT	GCCGACAACT	CTGAAGGTAT	GCCTGCATTA
79901	ATCAAGCCAA	TATACTTTTA	TTAGCTACTA	TTTACCGAAG	ATTATCCAAG
79951	ATTATGTCAA	CTTGAAAAAT	ATTTTCTAGT	TGTTTCTAAG	GGTTTAAAGG
80001	ATACCTATTT	TATATAAGCA	CTTATTTTTT	TTTTAAACCA	TTAAATAGTT
80051	CTCTTTTACA	ACTTAATTTT	GGCAATACCA	TAAAGAAAAA	GAAATATGTT
80101	ACACATTCAT	AACATACATA	CTGACATATA	TAAATATAAA	CATAAAAACA
80151	GATCTTGTAG	TATTCATTTA	AAAATTTTAG	CCAGGTGCCA	AGTACAATAA
80201	CACAAAGCTC	ACTAATCTGG	AAGTGAATTT	TTTTCTGGCC	CATGGAACAA
80251	GATTACCCAC	CCAGATGGCT	AAAGCTTTTG	ACTGATATTT	GTAGAAAAAG
80301	CTTAAGATTT	TTTCCATTGG	CCTTCTCTAA	GGAACTTTTT	AAAGAGGAAA
80351	TCTTTGATTG	ATTTTCATATC	TTAGATATTT	AATACTTCTG	TGTATCCATT
80401	AAAGAGTGTG	TCCCATTGCT	TTTGTGGTAT	GTTGGATCCT	TTCTTCTCTA
80451	ATGTGCCTCA	CAAGTGACCA	ATTTTATCTG	GGTTAAAACT	TCACTGTGGC
80501	CACCTGTAAT	CTAGCTTGTC	CTTAGTAAGC	TTAACACATT	TTAAAAAAT
80551	GCACAGGTTT	TGGGACCATA	ATTTTGTGAT	ATGGAGAAAA	TTGTGCTTAT
80601	TTTTGGTGTT	TTTAAAGCGA	TACATTGGGT	TGACATACGT	CGTGCACATG
80651	TACCTTAAAA	CTTAAAGTAT	AATAATAATA	AAATAAAAAA	AAAAAGAAGCT
80701	AGCAGGTAGC	TTCACTGATA	TTTCTTTAAG	GCAAATTTTT	CTTTTCTTTT
80751	TTCTTTATCA	TTGTCTTCAT	CCTCTTCTCT	CTCCTTTCAC	TCCTCCTCTG
80801	AAGGTATTCA	GGAAGAAGAT	GGCAACATGT	AGGCAATAGT	CTTTCTGCCA
80851	CTGGAGATGT	TTTATCGTGT	TCAGAGAAAC	TAAATGAGAT	ATACCAGAAT
80901	CCTCGCATAC	TCAAGTCTGT	CAGTTGGCCC	TGCAGAACCT	TCATATATAC
80951	AAAAGCCCTT	CATATATGCA	GATTTCCATT	CCTGCAAATA	TTGTATTTCC
81001	AATATGTGTT	TGGTGTAAAA	ATATCAGTTT	AGAAGCTGAT	ATTATAAGCT
81051	TGTAAACTGA	TATATTAAGC	AGACCTACGC	AGTTCAAACC	CATGTTATTC
81101	AAGGGTCAAC	TGTATGTTTA	CAGGTACACT	TTTCATCTGAA	GGACTTTTAT
81151	GTCTGCTACA	CAGGATGTTA	TAATGATCTA	TTGTCAGAAA	TGTTCTTTGC
81201	AACTTACAGA	AACATGAGAG	TACAGCTTGT	ATGGCTCAAC	AGAATTCTGA
81251	TAAACTCAAG	GAGTAAAAAG	AGAGAAGAAA	TAAAGGCAGG	TTTGAAGAAT
81301	GAGAAAGAAA	TGATAGTCTT	TTAGACAAGG	AGTTAAGTAT	TCAATTGCCC
81351	ATATTTTTGA	ATTCCACCAA	GCTTTGGAAC	ACTCTCCTTG	GCCCAGAAAA
81401	ACTATCAGGA	AACCGTACTT	GAGCTAGGCT	GCTAGTGAAT	GGTTGCTATA
81451	CTTTTGATTT	GTTACGGCCC	TGTGTAGGAG	AGAAATGCTT	AAGCAATAT
81501	TTGCACATTG	CAGTGTAAAG	AAATAAAAAA	TGCATTAGAA	GTGAATCAGT
81551	TGACCTCATA	TTGTTTCATT	AGAAGTAATT	TCTTTTGGAT	TGTCTCATTG
81601	CCTATAAATG	TTCTTCTTTT	GCATCTTAAC	AACAACCTCTG	TCATGAGTAG
81651	TCTATGACTA	GCTTATTTTT	TCCACTTTTG	CTCCCCATGA	ATATGATAAG
81701	GACCTCTCCC	ACTCTTTATG	GGGCCTGTGT	TTTGCATPCT	GCAAAGACTA
81751	AACACAGTTA	ACATTGAATC	CATCCTTTTT	TTTAGAGGAA	AGTTTCTCAA
81801	ATTATCTCTA	AGTTTTCGGT	TTTTTACAGT	AAAATGGATC	CAGTCTTAAG
81851	TCTCTCTAAG	AAAAATTAGC	ATTTGACATT	TTTATTTTTTA	TAGCAATTGA

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81901 AATACATCAG TACAACCATA TTCAGAAAGG GCATTATGTC AGACACTGCC
81951 AGGCTATTTT AGATGTTTGT CATTTTGTAT CATAGTTAGT TTTTGGCCTT
82001 AATAATAAGT ATTATTATTT TACTTATTGC CAGTGAATGA TAGGATAGAG
82051 CTTAACTAAA TGCTTAAACG ATGTGCTTGG ATCCCCACAT AGATCCACAG
82101 TTATTATATT CCTTAGGGTT TTGCTATAGC TACGTAGAGG AAAGGAGAAT
82151 TCAGTCATCC CAATGCGCAT GGTACCCTGG GCATGCTGAA CTCAAAGAA
82201 GCTATACTAC AGCAGCTATA TGCACAATAT AAGTGCCAAT TTAGTTTCAC
82251 CAAAAATCAT CACTTTATAT TAAATTCATA TCACTGATTT GAATTTTATT
82301 GGCCGACCTT TTTAAGTTT ATATGTTAAG ATTCTATAAT TATATACAAC
82351 TCTAAGTGTA AGAAAAGTTA TTGCTAGTTT TATGTGGGTG CATATATAGG
82401 TAATATAATA AAAAAATAAT TAGATTGAAG GTTTGTGTGA TAACTTTTCT
82451 CCTTATAAGG GTTTTTTCTT GGAGTGATAT CATTAAAGCA TTTAAAACAG
82501 ATTTTATGAA GTAACACTG ATACTAGAGG AAAGAGCTAA GCTCCATTCT
82551 AATTTGTGCA GAGTGACTGG GTATTTCAGG AGAATAAGGG AGTAGGGAAG
82601 AGGAACAGCA GGGGCCTGAG CAGAGTCAAG GAAGTGAAAA ATTACAAAAA
82651 TCAGGAAGT GAGGTTGGTC CCTGTAAACT CATGTGGGTT TGTATCTGG
82701 TGCTCATCAA AGTTAGACT CTAACCTTCC TTAGAGATTG GGAGACAAGA
82751 GCCCTATCTT CAGGCATTGG CTGGAAGAAA CTGTCAATTC TTCTGTCTAC
82801 CTTGAGTTTT CTCAGGTAGG AACTTTAAGG GGTAGGAGGG TAGGACCATC
82851 CTAGGGTTGT GGCCTTGGGC TTTTAGAAGC TATTAATAGA TTCTGTGTTG
82901 TTAAAGTCTT TATAGGTTAA TGTTGAGGCC GAGCTGAGAA GAGTGCTCAA
82951 AGGAACCTGG ATAGACTTTG ATTAAAGAGA GAATCTTGT CAGTGATAAT
83001 TACAGAATGG CACTTTCTTA TAAACAGTGA CTGCTATGTA TTAAGTGTG
83051 TTAAGTGAAC TTGATTTTAA CATATTAGCT GAAAAAATAT GAAAGATTAT
83101 GCTCTTCATT TCAGGGCCGA GATCTGGACG ATAAAATTCA GGAATATAAA
83151 CAAGCTGGAA AAATCTTCC AGAAAATCAA ATAATAGAAT GGTTTATCCA
83201 GCTGCTGCTG GGAGTTGACT ACATGCATGA GAGGTATGTT CATTGCTAC
83251 TGGGGGAGCA TGATATATTT TTAACAGTCA TGTTTGAAGT TGAAAAGTGA
83301 ATTTTTTTTC TATAATTGAA AGAAAACAAG TTCAAAAGGT ATATGGCTAA
83351 AATTAAACAT CTATAATATG TTTTTCCTTG AGAAAAGTGT TGAATGATTA
83401 TATCTAGAGG ATTTACTTGC ATAGCTTTTT GTTGCTGTTC TGAAGTCAA
83451 GTTGGCCTTG AATATAAGAC AGAAATTTGT ATTAAACACA TTTCATTATG
83501 TCTGATCATG TCCTGTGAAT TACAGGAAGT TCTCAGAAAC CTTTGGCATC
83551 CTATGAATTT ATTGTATCTT ACAGCAGGCT TGAGTTGTAA ATACCTTAGT
83601 ATGCCACAAA TGAATTGTGT GGTGCGCTTG GAATGTGTCA GTGCACACTT
83651 AGCTAGGTTT ACATCCCAA AGAGCTCAGT AATTGAGACA GAATGTATTC
83701 TTTACCTCA CTAGGATAAG TATTAGATA GAAAGTCAGT TTTGATATGA
83751 AGTATCTGAT AATGAAGGTC AATTATTTTG ATTATCTGTG ATTTACATTT
83801 ACAATCTCTG CCTCAAAAAT GTATTTTAAA ACTTTTAATG AATTTTATA
83851 GGTCAAAAGT AAGAAGTTTT AGAAGTTAAA TATTTTAGAG ACCCATAAAA
83901 TGATATGAAC ACGTTTGAAA AGATGAACAT ACATAGACAA AAAAGAAGTG
83951 GATATTCTGA GGTGTCTGTG GTCGCTTTCA CCTTGGAGT GGGGCGTTAA
84001 CACATGTTA CATCTTCTT GAACGAAAGG GGGTAATTTA TAAAGCACAC
84051 CAAGGTCTAA CTATCCGTGG ATGTCAGGTT GCTTAAATGT GTCATCTGTA
84101 CTTTCTGACA GCATAAAAAG TAATCGGATT ATTCTGTAAT TCGCCATGTA
84151 TCTTCTAAAA CACATGCTTG TTGATACAGA TAGCTACTGA TTTATTGACA
84201 CCTCATAACA ATCTGTTGGA TGATGTCAAA CTATCTTTAG AAATCTTTTA
84251 TTAAGGATT ATTTGACTTA AATGAATCAA ATAATCTTTT AATAAGCTAC
84301 CCAAAGCTAC TGACTGTAAA ACTTCTGTGT ACATACATTT ATATTGGTAT
84351 TTCTTTTATT TCTTTATTTT TTAGCATATT GTTAGGTTAT ATGCAAGAAA
84401 AACAACTAAA AAACAACACA TATTAAGATG CTAACATATG TATTCTATGC
84451 ACAAATACAA AAAGTGAAT TTGGTTGATT TAAGAACCCA AATATTTTGT
84501 ATACCTTTAA GACTGCTTAG TAATAGTTAA AATAAATGAG TTTAAAATAA
84551 CCCTTTGAAC AGAGGCTTAT AATTTTAAAT CCTTTAATAT TCAAAGAAAG
84601 TCATTAAATG AGACTAAATA TTTGGATATT TGTGAATCTG TGGATCTGAA
84651 ATACAATCCT TTGTGATTCA GGTAACAATT GATGGTGCTT CTTAGTCATT
84701 ATGTTATTAT AACCAATTAC TGTAAAATTT TTATGTACAG AGAAATTACA
84751 ATTTTATGTT TCGGTTTATT CATTCCTTCA TTAGATAGTG ATAAATTAAA
84801 AATAAGTCTC AACCTCAAAG AGCTGTTAGT AAGCTAGCCG ACATAAAACA
84851 TGTACCCTTA TAACTATAAG CCATGTACCA TGGTGGATGT GCACAATTCA
84901 TTGTCTCCAC TATTCACCAG ATTCATGACC TTGAGCAAGC TGGTCATGAG
84951 AGCAAGCTCT CCTCTCTGAA CCTGTTTCTT CATCTATTAG ATTGGTGCAG
85001 AAGTAATGTT GGTTTTGGCC ATTATTTTAA ATGACAAAAG CCACAATTAT

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85051 TTTTGCACCT ACCTAATATA AAGTAAGGAT AATAATAGGA CTCTCCTTGC
85101 TTACATTAAA GGGTAGAAAA TATGCATTCA GATATTAGAC AGTTTAAAAAG
85151 TTTGCAAAAT GTTAAGCTCT ATGTAATGTT CTTGTTATAA TTTAATATAG
85201 AAATGAGAGC ACAGACATCA AAAGGGGTTT TAAAAACGAT GACAGTAGCA
85251 AGTGTGGA AACAATATGGA GTACCTGGAA TTATTTTATA TTGTTAATAG
85301 GGTATACATT GATATAAACA CTTTGTGAGAA ATGTTTGCAA AACTTTCTAA
85351 GCCAAACATA CAAATAGCTA TGACCCAGTA ATTCTATTCC TAAGGGTAGA
85401 AATGAGTGCT GATGTCCAAC AAAAGGTATG CAGAAATGTC CATAGAAGCC
85451 TTTTTTGTAA TAGTGA AAC ATTAATAAAT ATTCTCTAC AGTGAATGG
85501 TTAACCTGAG TGTGGTATGG CCCTATAATG GACTTTTAAA ATTACTATTCT
85551 TATAATTTAA AAACAATACA CAATTGATAA TAAGCATGAC CTGGGTGAAT
85601 CTCAGAGATC AGAGGTAGGA TGACAGAAGC CAGATGCAAA AGAGTGATA
85651 CTGCATGACT ACATTTATAT GAAGTTCAA AATAGGCAAA ACTAACCTAA
85701 GATAAGTCAG AATAGTGATT ACTCTTGCAA AGGGGTTTCTG CCTGGAAGGG
85751 GCACAAAGAA ACCTGGGATG TTAGAAATGT TCTATATCTT AATCTGGATA
85801 GAGGATTACA AGAGTGGTAC AGATGTTGAT ATATATGTAA AAAATCATCA
85851 AATTTAAGAT TTTTGCATT TAATGTAAGT TATACTCTAG TTTAAAAACA
85901 GTGATAAAG GGCACAGAAA AGTACAATTT AGTGTTACAG GAGATCAGAA
85951 GAGAGATAAT GTTTTCATTT GGAGAATCAA TGGAGGCTTC TTCTTGAAG
86001 AAGTAGCACT TGACCCAAGG TAGGTTTCAA GTATGATGAA AAATGGGTCA
86051 GAGCTTTCCA GATATAGGGA ACAGAGCACA GCCACAGAGG TGGGAAAAACA
86101 TGGAACTTTT AGAGAGAATC ATGAGTAGTT CTATTGGGAA GGTCTTGA
86151 GTAATGAATA AAGTTGTTTG CAAAGGTAGG CTGAGGTCAA GAGGGCTTTA
86201 TTTTGGAGCA TAGACATTGA ACTCCACAAG AGCTTTTGA GTGGAGTTAT
86251 ATAATATTGC CAGAGCTTGC TTCAGGAAGG TTAGATGATA AATTATATCA
86301 AGGAGAGAAG GTAACCTGGG TTATCAGTCA AGAACCTTTT ATAATATCCA
86351 TGCAATGAGT TGTGAGACCT AAACCAAGCT GGCAGAGGTG GGTAGAATGA
86401 GGAAGATGA GAATGAACCT AGTAAGTTGA AATGACTGGA CTTGCAATTA
86451 ACTGTATCTG AGATGTGATA GAAGGTCAA GATGAACCTG AGGTTTGTG
86501 CTTGATGAA TGAGAAATTG GAAAGACAGG TTTGAAACAA TGGTGATGAG
86551 TTTAATTATG AATATGCTGG GTAGAATATG GAGAGAGAAG AAGGAGAGGG
86601 AGGAGAGAGA GAGAATGAGA ATGAGAGAAG GAAGTTAGAA GTGAGGCTCT
86651 GGATCTTAGG GAACCATCAG GCCTTGACTT TGTGTTGGTT CCTACAATAT
86701 CAGAGCCCTG AAACAAAGAC TAGGGTACAA ATAGAGTTT AGGAGGTAAT
86751 CTTAGAAATC AGAAGCCAAT AAGTGGGAAG AGTGAGAAGG AGAAGCCAGA
86801 AAAGCTGTGC AGAATGCATG GTTGAACCTG TGGCTGCTGT GGGTAGAGGG
86851 ATGCAGAGGC AGGACTCTTC TAATAGTGTT TTAAGTTTGT AGTTTCTCTT
86901 CCTGCATTCT TTCCTGAATT TTTGGGGA AAAAGAAAA GCAGGCCGGG
86951 CACAGTGGCT CACGTCTGTA ATCCCAGCAC TTTGGGAGGC CAAGGCCGGT
87001 GGATCACAAG GTTAGAGATT TGAGACTAGC CTGGCCGACA TAGTGAACCC
87051 CCATCTCTAC TGAAAATACA AAAAATTAGC GAGGCATGGC GGCAGGCACC
87101 TGTAATCCCA GCTACTTGGA GGCTGAGGCA GGAGAATGGC TTGAACCTGG
87151 GAGGTGAGG TTGCACTGAG CCGAGATTGC ACCATCGTAT TCTAGCCTGG
87201 GTGACAGTGC AAGACTCCCT CTCAAAAAAA AAAAAAAAAA AAGGCAATCT
87251 TGCTTAAATA TAACTATTGT TTTCTAGCAC TATTGTGAAT TTCCTCTGA
87301 AAAATTTCTT GTATTCTTGG GAATTTGGAG TGAGGAGGGG GAGGAAGTTG
87351 GAGTGAGGAG GGGGAGGAAG TTGTCTTCAT CTTGATCCAA TTTTAGAATG
87401 GTTTTTAAAT GGAGCAGTTA TATATATATT ATTCCTGATT GTAAATGTAT
87451 AATCTATGTT TCACTTCTGT TGGTTTTCAG TATTTAATTT AGTATAAAAC
87501 ATGTTTCTCT CAGAAAATAA ACTTATTTAT CTTAATTGTC TGACTTTAAA
87551 ACTTTTTTAAA TCCAAAGGAA TGATTTTTTT TAGCATATGG CATAAACATT
87601 TATAAATAAT TAAAAAGCCA AGACTATTCA CAGTTCACTG AAAGCTACTT
87651 TGAGAACGTA GCACTAAAC ATGTTCTTGC CGAAGGGAGT CATGCTGTAT
87701 TAACAAAACCT CCAGTGCTGT GGCTTACAGC AGCAATCATT TCCTGCTCAT
87751 GTTGCAATAT CACAGATATG GGTCTCTGCT AAGTCTGCTC TACATGTCTT
87801 CATTCAGTA CCCAACTGA AGGAGCAGCC CTATCCAGGA CAGGCTTTAC
87851 TCCTGGTGGA GGGAAAAGCA AGAGAGTGGA AACCCTTGC TCAGACATGA
87901 CAATCATCCA GTCTGCTCAC ATGTCATTAA CCAGAGAAGT CACATGACCA
87951 CTCTTAATGT CAGAGGGGGT GGAGATGCCT CTCCTCCCA AAGGGACCCC
88001 TCACTGCAAG GAATAAGAAG CGTGAATACT TGGGAACAAG AATAAGTCTA
88051 CTACAATGTT TCACTCAGCT TTAGACTAAA ATCTTTCAA TTACAGCTGA
88101 TAAATATAGG CTTGTCTACA AAGCATTATT CTAGTTTCT CTTATATGA
88151 TCTACAGTAT ATATTAAAGT ATATTTTGAA AATTACATAA ATTGGCTTAC

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88201 ATATGAGTTA AGATTACCTT GGAAACAATA CATGTGAAGA GGTTAGGTTT
88251 GTTGCAAATG CCTTGCAAAA ATTTTAGTTT ATATATATGA TGTTTGATT
88301 TATGTGTCAA GTTGACTGGG CAGTAGATGC CCAGAATTAC ACATTGTTTA
88351 CAGGTGTGTC TTTGAAGATG GTTCTGGATG AGATTAGCAT TTGAATCTGT
88401 GGACTCAGTA AAGTAGATTG CCCTCCACAG TGTGGGCAGG CATCATCCAA
88451 TCCCTTGATG GCTTGAATGG AACAAAAGAC AGAGGAAGGA GGAATTTGCC
88501 CCCTTGTTCC TGCCTCACTA CTTAAGCTAG ACATCTCATC TCCTACCCTC
88551 AGACTGGGAT TTACACCATT GGCTCCCCTG GTTCTCAGTC CTTTGGACAG
88601 GGACTGAATT ACATAATTGG CTTTCCTGGG TCTCTAGCTT GTAGACAGCA
88651 GATTGTGGGA CTCTCAGCC TCCCTAATTC ATGAGCCAAT TCTTCATAAT
88701 AAATCATTTA TCATTAGAAC CCAGACTAAT ACAGTGCAGC CGTAGAGGAG
88751 ATAAAGAAGA CCCTGGAAAC ACTAAGAAGA ATGAAGTTAC AGAAAAAGTG
88801 AAGAATCTGT TCACTCCTTT GGAGCTTCCT GTACTTATTT TAATTTGGTT
88851 TATTTATACA TTATTCTAAA TCTATAACAT ATGGCATAAA CACATAAATA
88901 ATGATGTTAA AACCTGAGAA AATTCACAGT TACTAGAAG CTATCTTGAG
88951 AATGTTGCAC TGAAACCCAT TACTGTTCTG GCGGGGAGT TCAGTTATGT
89001 CAATTTCTTA AGATAAAGGA CAGAGCAGCC TCTCTGCAGA GAGCCACCT
89051 GCTGGTGGTC TCAAGGCCTT GCTGATTTTG GTGCTTTCCA AGTAGAGGAG
89101 AGAACAGGGC TGGGCACTTA CTCCAAGACG GCTTCCTCAT CACCTCACTG
89151 CCCATGGATT TCCAGCCAG CTTGGCGAGG TATTGTGGTA GAGTGGCTAA
89201 AATGTTCCCT GAAAGGTAGT GTTTTCTTTC TTTCTTTCTT TCTTTCTTTC
89251 TTTCTTTCTT TCTTTCTTTC TTTCTTTCTT TCTTTCTTTC TTTCTTTCTT
89301 TCTTTCTTTA TTATACTTTA AGTTCTAGGA TACATGTACA CAACGTGCAG
89351 GTTTGTTACA TATGTATACA TGTGCCATGT TGGTGTGCTG CACCCATTAA
89401 CTCGTCATTT ACATTAGGTA TCTCTCCTAA TGCTATCCCT CGCCTTCCCC
89451 CCACCCCATG ACAGGCTCCA GTGTGTGATG TTCCCCACCT TGTGTCCAAG
89501 TGTTCTCATT GTTCAGTTCT CACCTATGAG TGAGAACGTG CAGTGTGTGG
89551 TTTTCTGTCC TTCTGATAGT TTGCTCAGAA TGATGGTTTC CAGCTTCTTC
89601 CATGTCCTA CAAAGAACAT GAACACATCC TTCTTTATGG CTGCATAGTA
89651 TTCCATGGTG TATATGTGCC ACATTTTCTT AATCCAGTCT ATCACTGATG
89701 GAAATTTGGG TTGGTTCCAA GTCTTTGTTA TTGTGAATAG TGCCACAATA
89751 AACATACGTG TGCATGTGTC TTTATAGCAG CATGATTTGT AATCCTTTGG
89801 GTATATACCC AGTAATGGGA TGGCTGGGTC AAATGGTATT TCTAGTTCTA
89851 GATCCTTGAG GAATCGCCAC ACTGTCTTCC ACAATGGTTG AACTAGTTTA
89901 CAATCCCACC AACAGTGTA AAGTGTTCCCT ATTTCTCCAC ATCCTCTCCA
89951 GCACCTGTTG TTTCTGACT TTTTAATAAT TGCCATTCTA CCTGGTGTGA
90001 GATGGTATCT CATTGTGGTT TTGATTTGCA TTTCTCTGAT GGCCAGTGAT
90051 GATGAGCATT TTTTCATGTG TCTTTTGGCT GCATAAATGT CTTCTTTTGA
90101 GAAGTGTCTG TTCATATCCT TTGCCCACCT CTTGATGGGG TTGTTTGATT
90151 TTTTCTTGTA AATTTGTTTA AGTTCTTTGT AGATTCTGGA TATTAGCCCT
90201 TTGTCAGATG GGTAGATTGC AAAAATTTTC TCCCATTCG TAGGTTGCCT
90251 GTTCACTCTG ATGGTAGTTT CTTTGTCTGT GCAGAAGCTC TTTAGTTTAA
90301 TTAGATCCCA TTTGCCAATT TTGGCTTTTG TTGCCATTGC TTTTGGTGT
90351 TTAGTCATGA AGTCCTTGCA CATGCCTATG TCCTGAATGG TATTGCCTAG
90401 GTTTTCTTCT AGGGTTTTTA TGGTTTTAGG TCTAACAGTT AAGTCTTTAA
90451 TCCATCTTGA AGAAATTTAA TATAAGGTGT AAGGAAGGGA CCCAGTTTCA
90501 GCTTCTACT TATGGCTAGC CAGTTTTCCT AGCACCATT ATTAAGAGAG
90551 GAATCCTTTC CCCATTGCTT GTTTTCCTCA GGTTTGTCAA AGATCAGATA
90601 GTTGATAGAT TGTGGTATTA TTTCTGAGGG CTCTGTTCTG TCCCATTGGT
90651 CTATATCTCT GTTTTGGTGG CAGTACCGTG CTGTTTGGT TACTGTAGCC
90701 TTGTAGTATA GTTTGAAGTC AGGTTGTGTG ATGCCTCGAG CTTTGTCTT
90751 TTGGTTTAGG ATTGTCTTGG CAATGTGGGC TCTTTTGGG TTCCATATGA
90801 ACTTTAGTTT TTTTTTCCA ATTCTGTGAA GAAAGTCATT GGTAGCTTGA
90851 TGGGGATGGC ATTGAATCTA TAAATTACCT TGGGCAGTAT GGCCATTTTC
90901 ACGATATTGA TTCTTCTTAC CCATGAGCAT GGAATGTTCT TCCATTTCTT
90951 TGTGTCCTCT TTTATTTCAT TGAGCAGTGG TTTGTAGTTC TACTGAAGA
91001 GGTCTATAC ACATCCCTTG TAAGTTGGAT TCCTAGGTAT TTTATTCTCT
91051 TTGAAGCAAT TGTGAATGGG AATTCATTCA TGATTTGGCT CTCTATCTGT
91101 TATTGGTGTA CAGGAATGCT TGTGATTTT GCACATTGAT TTTGTATCCT
91151 GAGATTTTGC TGAAGTTGCT TATCAGTTTA AGTAGATTTT GGGCTGAGAC
91201 GATGGGGTTT TCTAAGTATA TGATTATGTC GTCTGCAAAC AGGGACAATT
91251 TGACTTCCTC TTTTCTGAT TGAATACCCT TTATTTCTT CTCTGCCTG
91301 ATTCCCCTGA CCAGAACTTC CAACACTATG TTGAATAGGA GTGGTGAGAG

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91351 AGGGCATCCC TGTCTTGTGC CAGTTTTCAA ACAGAATGCT TCCAGTTTTT
91401 GCCCATTGAG TATGATATTG GCTGTGGGTT TGTCCTAAAT AGCTCTTATT
91451 ATTTTGAGAT ACATTCCATC AATACTTAGT TTATTGAGAG TTTTGGGTAT
91501 GAAGGGCTGT TGAAGTTTGT CGAAGGCCTT TTCTGCATCT ATTGAGATAA
91551 TCATGTGGTT TTTGTCTTTG GTTCTGTTTA TATGATGGAT TACGTTTATT
91601 GATTTGCATA TGTGAACCA GCCTTGCATC CCAGGGATGA AGCCAACTTG
91651 ATCGTGGTGG ATAAGCTTCT TGATGTGCTG TTGGATTGAG TTTGCCAGTA
91701 TTTTATTGAG GATTTTTGCA TCGATGTTCC TCAGGGATAT TGGTCTAAAA
91751 TTCTCTTTTT TTGTTGTGTG TCTGTGGGCT TTGGTATCAG GATGTTGCTG
91801 GCCTCATAAA ATGAGTTAGG GAGGATCCCT CTTTTTCTGT TGATTAGAAT
91851 AATTTGAGAA GGAATGATAC CAATTCATGT TTGTACCTCT GGTAGAATTC
91901 GGCTGTGAAT CCATCTGGTC CTGGACTTTT TTTGGTTGGT AGGCTATTAA
91951 TTATTGCCTC AATTTGAGAG CCTGTTATTA GTCTATTGAG GGATTCAACT
92001 TCTTCCTGGT TTAGTCTTGG GAGGGTGTAT GTGTCCAGGA ATTTATCCGT
92051 TTGTTCTAGA TTTTCTAGTT TATTTGAGTA GAGGTGTTTA TAGTATTCTC
92101 TGATGGTAGT TTGATTTTCT GTGGGATCGG TGGTGATATC CCCTTTATCA
92151 TTTTTTTTGC ATCTATTGGA TTCTTCTCTT TTTTCTTCTT TATTAGTCTT
92201 GCTAGCTGTC TATCAATTTT GTTGATCTTT TGAAAACCA GCTCCTGGAT
92251 TGATTGATTT TTTGAAGGGT TTTTGTGTG TCTATCTTCT TCAGTTCTGC
92301 TCTGATCTTA GTTATTTCTT GCCTTCTGCT AGCTTTGAAT GTGTTTGCTC
92351 TTGCTTCTCT AGTTCTTTTA ATTGTGATGT TAGGGTGTCA ATTTTAGATC
92401 TTTCTGCTCT TCTCTCATGG GCATTTAGTG CTATGAATTT CCCTCTACTC
92451 ACCGCTTTAA ATGTGTCCCA GAGATTCTGG TATGTTGTGT CTTTGTCTCT
92501 ATTGTTTTC AAGAATATCT TTATTTCTGC CTTCAATTTT TATGTACGC
92551 AGTAGTCATT CAAGAGCAGG TTGTTTAGTT TCCATGTAGT TGAGCGGTTT
92601 TGAGTGAGTT TCTTAATCCT GAGTTCTAGT TTGATTGCAC GGTGGTCTGA
92651 GAGACAGTTT GTTATAATTT CTGTTCTTTT ACGTTTGCTG AGGAGGGCTT
92701 TACTTCCAAC TATGTGGTCA ATTTTGAAT AAGTGCAATG TGGTGTGAG
92751 AAGAATGTAT TTTCCGTTGA TTTGGGGTGG AGAGTTCTGT AGATGTCTAT
92801 TAGGTCTGCT ATGGTCTGAG CTGAGTTCAA ATCCTGGATA TCCTTGTTAA
92851 CTTTCTGTCT TGTGTTCTG CCTAATGTTG ACAGTGGGAT GTTAAAGTCT
92901 CCCATTATTA TTGTGTGGGA GTCTAAGTCT CTTGTAGGT CTCTAAGGAC
92951 TTGCTTTATG AATCTGGGT CTCCTGTATT GGGTGTATAT ATATTTAGGA
93001 TAGTTAGCTC TTCTTGTTGC ATTGATCCAT TTACCGTTAT GTAATGGCCT
93051 TCTTTGTCTC TTTTGATCTT TGTGTTTGA AATTCTGTTT TATCAGAGAC
93101 TAGGATTGCA ACCCTGCTT TTATGTTTGT TTTGTTTTTC CAGTTGCTTG
93151 GTAGATCTTC CTCCATCCCT TTATTTTGAG CCTATGTGTG TCTCTACACA
93201 TGAGAGGGAT CTCCTGAATA CAGCACACCG ATGGGTCTTG ACTCTTTATC
93251 CAATTTGCCA GTCTGTGTCT TTTAATTGGA GCATTTGCGC CATTTACATT
93301 TATGGTTAAT ATGTTATATG GTGAATTTGA TCCTGTCATT ATGATGTAG
93351 CTGGTTATTT TGCTCGTTAG TTGATGCAGT TTCTTCCTAG CATCGATGGT
93401 CTTTACAATT TGCCATGTTT TTGCAGTGGC TGCTACTGGT TGTTCCCTTC
93451 CATGTTTTAGT GCTTCTTCA GGAGGTCTTG TAAGGTAGAC CTGGTGGTGA
93501 CAAAATCTCT CAGCATTGTC TTGTCTGTAA AGGATTTTAT TTCTGCCTCA
93551 TTTATGAAGC TTAGTTTGGC TGGATATGAA ATTCTGGGT GAAAATTCTT
93601 TTCTTTAAGA ATGTTGAATA TTGGCCCCA CTCTCTTCTA GCTTGTAGAG
93651 TTTGTGCTGA GAGATCCGCT GTTAGTCTGA TGGGTTTCCC TTTGTGGGTA
93701 ACCCGACCTT TCACTCTGGC TGCGCTTAAC ATTTTTCCT CATTTCAACT
93751 TTGGTGAAAC TGATAATTAT GTGGCTTGGA GTTGCTCGTC TTGAGGAGTT
93801 TCTTTGTGSC ATTCTCTGTG TTTCCCGAAT TTGAATATTG GCCTGCCTTG
93851 CTATATTGGG GAAGTTCTTC TGGATAATAT CCTGAAGAGT GTTTTCCAAG
93901 TTGTTTCTAT TCTCCCTGTC GCTTTCAGGT AACTAATCA GATGTAGATT
93951 TGGTCTTTTC ACATACTCCT ATATTCTTG GAGTCTTTGT TCGTTCCCTT
94001 TTA CTCTTTT TTCTCTAAAC TTCTCTTCTC GCTTCATTTT ATTCATCTGA
94051 TCTTCAATTA CTGGTACCCT TTCGTCCACT TGATCAAGTC AGCTACTGAA
94101 GCTTGTGCAT CCGTCACATA GTTCTCGTGC CATGGTTTTT AGTTCCATCA
94151 GGTCATTTAA GGTCTTCTCT ATGCTGTTTA TTCTAGTTAG CCATTCATCT
94201 AATCTTATTT CAAGGTTTTT ATCTTCTTTG AGATGGGTTT GAACATCCTC
94251 CTTTAGCTCG GGAAGTTTG TTATTACCTA TCGGCTGAAC CCTTCTTCTC
94301 TCAACTCGTC AAAGTCATTC TTCGTCCAGC TTTGTTCCGT TGCTAGCGAG
94351 GAGCTGAGTT CCTTTGGAGG AGAAGAGGTG CTCTGATTTT TAGAATTTTC
94401 AGCATTTCTT CTCTGGTTT TCCCATCTT TGTGGTTTTA TCTCCCTTG
94451 GTCTTTGATG ATGGTGACGT ACAGATGGGG TTTTGGTGTG GATGTCCTTT

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94501 CTGTCTGTTA GTTTTCTTC TAATAGTCAG GACCTCAGC TGCAGGTCCTG
94551 CTGGAGTTTG CTGGAGGTCC ATTGCAGACC CTGTTTGCCT GGGTATCACC
94601 AGCAGAGGCT GCAGAACAGC AAACATTGCA GAATGGCAAA TGTGCTGCC
94651 TGATCCTTCC TCTGGAAGCT TGGTCTCAGA GGGGCACCTG GCTGTAGGAG
94701 GTGTCTGTTG GCCCCTACTG GGATGTGCCT CCCAGTTAGG CTACTCGGGG
94751 CTCAGGGGCC AGTTAAGGAG GCAGTCTGTC CGTTCTCAGA TCTCAAATC
94801 TGTGCTGGGA GAACCACTGC TCTCTTTAAA GCTATCAGAC AGGGACGTTT
94851 AAGTCTGCAG AAGTTTCTGC TGCCTTTTGT TCAGCTATGC CCTGCCCCCA
94901 GTGGTGGAGT CTACAGAGGC AGGCAGGCCT CCTTGAATC CGGTGGGCTC
94951 CACCCAGTTT GAGCTTCCAG GCCACTTTGT TTACCTACTC AAGCCTCAAT
95001 AATGGTGGAC GCCCCCTCCC CAGCCTCGCT GCCCCCTTGC AGTTGGATCT
95051 CAGACTGCTG TGCTAGCAGT GAGAGAGGCT CCGTGGGTGT GGGACCTCC
95101 AAGCCATGCA TGGGATATAA TCTCCTGGTG TGCCATTTGC TAAGACCATT
95151 GGAAGGACAC AGTATTAGGG TGGGAGTGTC CCAACTTTCC AGGTACCATC
95201 TGTACGGCT TCCCTTGACT AGGAAAGGGA ATTCCTGAC CCCTTGCACT
95251 TCCCAGGTGA GGTGATGCC CGCCCTGCTT CAGCTCACGC TCTGTGGGCT
95301 GCACCCACTG TCCAGCAAGC CCCAGTGAGA TGAACCCGGT ACCTCAGTTG
95351 GAAATGCAGA AATCACCCTT CTTCTGTGTC GCTCATGCTG GGAGCTGTAG
95401 ACTGGAAGT TCCCTATTCG GCCATCTTGG AACCTCCTCC CTGTTGTGTT
95451 TTTTCTGAA AGGTAGTGTT AAGAACTCAT TTTAATGTA GTGAGGCTTC
95501 CAGGGAAGAG CCATACTTGG AAATCTGAGT CCGTAAATAT GACTGTGGAA
95551 GGAGGTGTCC TACCCAGAT TTGAAGATGG AAAAGCAGAG AGAAGTTGTG
95601 TTTGGTGTTA CTGGAGATTC CTGCTTTCTC CTGGTCTCA CTTCTTGAGG
95651 ATATCCTGCA GTCACTTTTT CAAGGTAACC TCACCCCTGA GCCAGGTGTA
95701 GGCACACTCC TGATATGCTG ACAGTGGCCA ATAGTTTGAG GAAGACCTGA
95751 CCCTGCTTCT GACTTACAAC ATAGAGGACT CATTGTGTTA GTGAGGGGAA
95801 TGAGACTGAT GAAGAAAGGC AGGTGCCTCA GTGCCAGGA CAGGGGCCAC
95851 ATGGCAAAGA CCAGTAACAG GAGTTGCCTG GGTGTGTCAT CACAAAGGAG
95901 CCATTGGCTG TGCAGCACCC TTTGGCAAGA AGAGTTTGTG ATCCACCCTG
95951 AGAACCTGCT AGATGAAGGA TAGACCTCCA GGGAGGGTTT CATATCATAA
96001 ACTGTTTATA TTAGGGCTTG AGGGGAGGTG AGAGGAATTG TCCATACCTT
96051 CTCCACAGTT CTACCTTGGG CTGGAGGCCT GAGAAATGCC TGCCCTCTGT
96101 ACCTCCACAG ACTGTTCTTC ATCCTAGCAT GGGCCCTGGA TGCTGGGGAA
96151 GAATGACCTG ATGGGGAGAT GGAGATGGGA TTTTTCAGT GAATTTGAAC
96201 CAGAAATGT CAGCAAAATC TAACCAGATC ACTTGGGTGT CATGAAACAT
96251 AGAAATGAGA GGGACCAACC ACTTGAACAG ATATGGTATG GTGCACTTGA
96301 GATAATAGAT GGAGAACTGT GTTGAGCTTT TTAGAAGAAA GATTTTCATAT
96351 AAACCTTTAT GCCTGTACC TTATTATTTG TTGGATTTCA TTTTCATATA
96401 CTTCAAAGGA ATGGATATTA GCCAAACATA GGATAAAATT ATGCTGGCTC
96451 ATTTTGGCTT ACTGTAACCA CAAAGCCAAT ACATTACGAT TTTTTTTTTT
96501 TCCTGAGACG GAGTCTTGCT CTGCTACTCA GGGTGGAGTG CAATGGCATG
96551 ATCTCGGCTC ACTGTAACCT CTGCTTCCCA GGTTCAGCA ATTCTCCTGC
96601 CTCACACCTC CAAGTAGCTG GGATTACAGG CATACGCCAC CATGCCCCTC
96651 TAATTTTTGT ATTTTCTTGA GAGATGGGGT TTCACCGTGC TGGCCAGGCT
96701 GGTCTCGAAC TCCTGACCTT GTGATCTGCC TGCCTCGGCC TCCCAAAGTG
96751 CTGGGATTAC AGGCATGAGC CACCATGCAT GGCCAATTAT AATTTTTTCAA
96801 TAGATATTTA GCAAATAGCT TGATACCTGG TTTGTGTCAT AGAATTTATT
96851 GTTCCATTAC CACAGTGCCA GCTAATTACT TCTCATAACT GCTTTCTAAC
96901 ATATTGTATG CTTATTCTT AAAGTATCTA CTGATGAGTT ACTAATTTAT
96951 ATATTTATAG AGGCCTATCA ATGTATTATT TGTAATTCAT CTTCTGCTTG
97001 TCTAGTCTAG GTGTCATCAG GTGAGTTTCT TTGGAATGTT TTACTTACTC
97051 CAAAGTTACA GCACCAAGTC TTCTGGTGGG CTCCTTAGCT CACTATTGCA
97101 AATCCTAAAC CTGTTGTCTC TTTGACTTCC TAGAATCAAT AGCTATAGAA
97151 ACCAAGTGAT CAACTTAAGA CACTCTTAAT TGCAAATAAC AGAAGCAGAT
97201 TAAACAGTAG AGAAAATTTA TTACCTTGCC TAACATGAAG TCTCCAAAGT
97251 GAGTTGTTCT AGAGCTGGTT AACTTGGGTG GCTGAGCAGT ATTCTCTGGG
97301 GTTCTAGTTC TTTCTCTTTA TTCCACCATT CTCAGTGTGT TTGGCTTTTG
97351 TAGTCAGACT TGTCTCTTTG TGGTTGCCAG AATGGCTGTA ACACGACCAC
97401 GTATCCCGCC TTCACACAAC AGTAACCAAA CTCCAGAAAA GGTAAGAGGG
97451 ACATATGGCA TGTCACTCCC CCCTTTTTTT GTCTTTTATA AGAGTAGGGA
97501 AGTATTTCTT ACAAGATTCC AGCAGACTTC CCTTGTGTCT CATTGATGTT
97551 AGAAAAATTT CAAAAACAT GGAAGAGACA AAAGATATTA GTGGATATTT
97601 TTCCACTGCA GTGCTGGACT TAACTTTCTA TTATCTGGGC TACTTCTTAA

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97651	CTCTGTGGAG	GCAGAGGCAC	ACTTGAATAT	TTTTGTCCAG	CAGAGATGCA
97701	AATAATTTCT	GTCCAGTAGA	ACAGATATCC	CTGGTGATGA	TGGTTTATGG
97751	CCTTGTGGG	CATTAACCAG	TTTTGTATCT	AACTCAGCAA	TCATATCCCC
97801	CTGCCACATT	CACCCCCTAC	ACCCCCCACT	TCCTTTACCT	AACAGGCTG
97851	AGGAGGGCTG	AGCCTCCCCA	GAGGCTCATG	GGGTCTCTGT	GTCAAGGGAG
97901	AAGAGGAGGA	GAATGGTTAT	TGGGTAGGCA	TTTCACAGTT	CCTGCCACAC
97951	CAAGAGAAC	CAAGAGTAG	GCATAGAGAA	AGCCAGGTTT	CATTTAACAC
98001	AGTTAGTAAA	TACTGTTGTT	CTCTTTTTAA	ATCAGTTAAG	AAGTCAGCAA
98051	CATACTCATG	TACAGCATAG	GTCTAGGTAT	CGTGGGAATG	TAAGAAGGCA
98101	GTAGAAAATA	GTATTATAAT	AGCAAAGTTT	TTATAGATAA	ACAGACCTAT
98151	GTGAGAATAG	TGGTTTATAG	AGTCAAAGAG	ACCTCAGTTT	GAACCAATAG
98201	GCTATACAAC	ATTGGGCAAG	TTATTTGGCC	TTTCTAGGCT	TGTGATTTCT
98251	CATCTCCAGA	TTGGGCATAA	CAGTAAAAAA	ATAGTAGTAT	AGTGCTTAGG
98301	ATTATAGCAT	CTGGGGTTAT	GGACCTCAAG	ATGAAGTGGC	CTAGTGTTGC
98351	ATTGTCTAGT	TTTGCTCTTC	TCTTTTCTCT	CTATTCTTAG	AAACATACTT
98401	ATTCTCTCT	AATCCACTAA	AGGGTTAAAG	AGGCTAAAGA	TTATTTGAAT
98451	TAGGGGAAAT	TCTCACTATC	ATATCCAATT	CTTCACTTTA	TATGCTGATG
98501	TTATAGGCC	GGTTGAGTTT	CTGCCCATT	GTGTCCTATA	AAGTAAACTA
98551	TATGATCTTT	ATGAGTGACT	TTTCTTTAAA	ATGTTGTTAG	TCAGAATTTG
98601	CTTAGTACAG	ATAAAGCTGG	ATTGGTTAGG	CCTGAACACT	TTACAAAGGT
98651	AACATTATTA	CACTTGTA	ATCATTAATT	CTAATGGTAA	AAATTATTTT
98701	TATAATTGAT	ATTTCTGGTT	TTAATTAATA	ATAGTAATAT	TAATTTGGTG
98751	GGCATGTAAC	TGAGAGTGAT	CATTTACTGA	GAGAGATATT	TCCTTATGAC
98801	CAGGTGAATG	TC'TTTATTGG	TAATTATTTA	CAATTATAAA	TAATTTCTTTA
98851	GTAAGA	TGCTTTAGG	TTTCCCTTCT	GCCATCTCTT	ACAGTTGCTG
98901	ATGTACTTAA	AAAAA	CTCTGAG	TGTAAGCATT	ATGAGATACA
98951	TAGCCTTGTC	TTATGAATCT	TTGTATCTGT	CACATTATGT	AGTACAGCAC
99001	ATAACATCTA	GTTGGCACTC	AATAATTGTT	TTTTGGATTA	ATGAATGAGT
99051	CCCACTAGAT	AGTATTCATC	TTTGTACCAA	GGATAGTGTT	TTAAAAACCA
99101	ACATGCATTT	ATTGAGCATC	TCCTGTGAGT	GAAGA	CTGTGAAG
99151	AGATGATATT	AATAGAAATG	TGGCTCAAGC	ATTGCTAAG	GCTGCCAGAA
99201	GCATTGGTAG	GGCCAGTACT	TGAATCTCT	AGCCGCCAC	ATATAGA
99251	GTAGACTCTA	TTCTGGAAGC	AGTGCAGAGC	CATTGAAGGA	CTTAAGTTGG
99301	TGTTTAAAGG	ACAGATTTTC	ATTTTCTAAA	GCCACAACCC	CATTTCTGAC
99351	CTAAGGCTCA	AGAATACTGC	TCCCAGACTG	GGTCTCCTA	TTTAAGCAGG
99401	AGGACAGATA	CAC	TGCAGCT	AATTTCTTCT	TAAAGACTTT
99451	GTGTCCTTCT	TTTCTATTAT	TTTTATCTAG	GATTTCTAGT	CTACTCTCTT
99501	TATGTACCCC	ACAAATATTAT	AATTAGTGCT	ACCATTTATTA	TTGGTTTACA
99551	AGCCAAACT	AGTTTAGATT	TCCCCACTTT	TATCAATCTC	TTGGTTTACC
99601	ACTTCTTCTT	CCACCCCATG	TCTTCTTCT	GTGGTCATTT	TTTTTCTCC
99651	CCAAAACAAA	TCCTTAAGTT	ACGTGAATGA	TAAACACTCA	GTTTCTTTGT
99701	TTGTTTGTTT	GAAAATGTTT	TTATTTTTTC	CTCATCCTTT	TATAATAGTT
99751	TAGTACTAT	TTCACTAAA	AATGTATTAT	TATTTAGCTA	TTATTA </td
99801	TGAAATCCCA	GATTGACAGA	TTTTTATCTG	ACATTTTGA	AATGTTATCT
99851	CACATGCTTC	TGGATTCTGT	TATTGATGTT	AAGTCACTTT	CCATGTAACA
99901	GACATTCTTA	TTAAGGTAAT	GTCTTTTCTT	TCAGTTGATT	CTCAACATCT
99951	TTGTCCTTGG	TGTTTTCCAA	TATTACAGTG	TTATGTCAC	TTGTGGATTT
100001	TTGTTTTTAA	TTCTGCTTGG	GATTTCTTTT	GCTTCTGAGC	TTGTGAATTC
100051	ATGAAACTT	CTAAATTTCTG	AAAATCCTC	GTCATCTCTCT	CTTTGAATTT
100101	TGCTTCTCCC	CTATTTCTCT	TTTACAATGC	TTAAAGATGT	ATGTTAGACC
100151	ATCACATTCT	GTTCTTCATT	GCTATGCACT	CCTTCTAGGA	ATCCATTTAT
100201	ATATATATTA	GAACTTTAA	CCTGTATTTT	AGATGCTCT	TATACTCTTT
100251	TCTATGTTTT	CTTTTTCTTT	CTTCTTTCT	TTTTTTTTTT	TTTTTTTGAG
100301	ACAGAGTCTC	ACTCTTGTTG	CCCAGGCTGG	AGTACAGTGG	CGCGATCCTG
100351	GCTCACTGCA	ACCTCCGCTT	CCCATGTTCA	AGCAATATTC	CTGCTCAGC
100401	CTCCTGAGTA	GCTGGAAC	CAAGTGCTCG	CCACCATGCC	CGGCTAATTT
100451	TTGTACTTTT	AGCAGAGATG	GGCTTCATCA	TGTTGGCCAT	GCTGGTCTTG
100501	AACTCCTGAC	CTCAGGTGAT	CCACCCACCT	TGGCCTCCCA	AAGAGCTGGG
100551	ATTATAGGCG	TGAGCCACTG	TGCCTAGCCT	TTTCTATGTT	TTTAATCTTT
100601	TTTTCTTTTT	GCACCTCAGT	TGAAATACCT	TTCACTAAC	ATTATTCAG
100651	TTTCTAAATC	CTCTCTTCTG	CTGTGCTAA	TTTGATTTCA	AACATATGCA
100701	CTAAATCTTT	AAATTTAGTA	AAATTTTGTT	TCAGTTTTAG	AATTTCCATT
100751	TGATTTCTAG	AAAATATATA	TATGCACTCC	TAGTGCATAT	AAAAATATAT

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100801	ATATATTTTC	TATATAGAAA	ATATATAGAA	TCTAGCTCTC	TATTGAAATT
100851	CTCCATTGTG	TCAGTTATTT	TCTTGAGCAA	TAATCACAGT	TATTTTCAAA
100901	TCCTTGTCCA	ATAATTTCAA	TAGGTGGATC	ACTTGTGPAT	TTATTTCTAT
100951	ATCTCTTTTT	TTCTTTTGGT	TTTTAATCAT	TTGATCTTAT	CTTTTGGTAT
101001	GCCTGGTAGT	TTTTGAGTGA	ATGCTGAACA	ATATATGTGA	AATATTTGAGA
101051	GATGTTAGAT	GATATTACTT	TTCTCTGCCT	GACAGTTATA	TTTAGGGCAG
101101	ATCACCTTGA	TCTAATTAGG	AACTGAAATA	GTTTAACTGT	AGGCTGTAGG
101151	CTTTTGGAGG	GTTGGTCTAT	TTTCAGTTTG	CCTTTATTTT	TATGAAGAAG
101201	TTTTTCAGAG	CTTTCAGCTG	AAGGGTTTAG	TTTTTTACTA	AGATACCTCT
101251	TCCTTTGTGG	ACCTGAAAT	CCAAGTTTAT	TGAATCTACT	CAAAGCTCTG
101301	ATTAAAAATT	TAAAAAAGC	TTTATTTTTT	AAAGCAGTTT	TAGGTTTACA
101351	GCAAAATTGA	GTGGAAGGTA	CAGAGATTTC	CCTTATACCC	CCTGCTCCCA
101401	CACATGCATT	GCCTCCCCTG	TTATCAGATT	TGCTACCAGT	CATACATTTG
101451	TTATAACAGA	TGAACCTACA	TTGACAGATC	ATTATCATCA	AAGTCTATAG
101501	TTTACATTAG	GGTTCATTCT	TAGTGCTATA	CATTCTTTGA	GTTTGGGCAC
101551	ATGTATGACA	TGTACCCATC	ATTTTAGTAT	CATAAAGTTG	TTGCATGGCC
101601	CTAAAAATTC	TCTGTGCTCT	CCTTACTCAT	TCTTCCCTCC	CTCTTAAACC
101651	CTGGCAACCA	CTTATCTTTT	TGTTGTCTCC	ATAGTTTAAAC	ATTTTCCAGA
101701	TTGTACATATA	GCTGGAATCA	TATATAGATT	TCTCAGGCTG	ACTTCTTTCA
101751	CTTCTAGTAGT	TGCTATTAAG	TTTCTTCCAT	GCTCTTTTCAT	GCCTTAATAG
101801	CTCATATCTT	CTTAGCACTA	AATAATATTC	TATTGTGTGA	ATGTACCATG
101851	GTTTATTTAA	CCATTCCGCT	ACTGAAGGAC	ACTTTTGTTG	CTTTCAAGTT
101901	TTGGCAATTA	TGAATAAAGC	TGCTATAAAC	ACCATTGTGC	AGGTTTTTGT
101951	GTGGACATAG	TTTTTAATTC	ATTTGAATAA	ATACCAAGGA	ACATGATTGC
102001	TGGATTATGT	GATAAGCACT	TGTATCATTT	TGCAAGAAAC	TGCCAAATCTG
102051	TCTTCCAAAG	TGGCTGAACC	ATTTTGTATT	CCCCTAGCA	GCGAATGAGA
102101	GTTTCTGTTA	CTCCACATCC	TTGTGAGCAT	TTGGTGTGTG	CAGTGTCTCG
102151	ATTTGGGCCG	TTCTAATAGG	TGTGTAGTGG	TACTTCATTG	TGTTTTTAAT
102201	TTTCATTCT	CTGATGACAT	ATGATGTAAA	ACATCTTTTC	AGGTTTATTT
102251	GCCTTTTGTG	TATCATCTTT	GGTTAGGTGT	CTGTTAAGGT	CTTTGGCCCC
102301	TTTTAAAAAC	AGATTATTTT	CTTATTGTTG	AGTTTTAATA	GTCTTTTGTG
102351	TATTTTGGAT	AACAGTCTTT	TTTTTTTTTT	TTTTTTTGTG	ACTGAGTCTC
102401	GCTCTGTCAC	GCAGGCGTGT	CAGAGTCGCA	ATCTTGCTC	ACTGCAAGCT
102451	CCACCTCCCA	GGTTCATGCC	ATTCTCCCGC	CTCAGCCTCC	CAAGTAGCTG
102501	GGACTACAGG	TGCCCAACCAC	CACGCCTGGC	TAATTTTATT	TTGTATTTTT
102551	TAGTAGAGAT	GGGGTTTTCAC	CACGTTAGCC	AGGATGGTCT	CGATCTCCTG
102601	ACCTTTGTGAT	CTGCGTGCCT	CAGCCTCCCA	AAGTGCTGGG	ATTACAGGCT
102651	TGAGCCACATG	CACCCGGCCA	ACAGCTTATC	AGATACGTCT	TTTGCAAATA
102701	TTTTCTCCCA	GTCTGTGGCT	TATCTTTTTA	TTCTTGACA	GTGTTTTCTT
102751	ACAGAGCAGA	AATTTTTTAT	TTTAATAAAG	TCTAGCTTCT	CAATTCTTTC
102801	ATGGATTGTG	ACTTTGGTGT	TATATTTAAA	AAGTTATCAC	CAAACCTAAA
102851	ATCATCTAGA	TTTTATCACA	TATTATTTTC	TAGCAGTTTT	ATAGTTTTAT
102901	ATTTTTTTAGG	CCTATGATTT	ATTTTTGTAG	TAATTTTTGC	AAAGGCTGTA
102951	AGGTCTGTGT	CTAGATTGAT	CTATTGTATA	TGAATGCCCA	GTGTTCCAG
103001	CACCATTTGT	TGAAACGACT	GTGTTCCATT	GCATTGCCTT	TGCTTCTTTG
103051	TCAAAGATCA	GTTGACTGTA	TTACGCGAGT	TTTATTTCTG	GGCTCTCTAT
103101	TCTGTTTTTAT	TGATTTTTTTT	TCTCTCCAAT	ACTGTACTGT	CTTAATTACT
103151	GTACTTTTATA	GAAAGTCTTG	ACATCAGGTA	GTATCAGTGC	TCCAACATTG
103201	TTGTTCTCCT	TCAAAGACC	CAATATTATG	GATCTTTTCC	CTTTCCATAC
103251	AAATTTTGA	ATCTGTTTAT	CAATGCTAC	AAAAATACCT	CCTGGGATTT
103301	TGATTTGGGT	TACATTGATC	CTATTGATCA	ATTTGGAAAG	AATCCATATC
103351	TTGACAATAT	TGAGTCTACC	TATCCATGAA	CATGGATTAT	TTTTCCATTT
103401	ATTTAGTTCT	TCTTTGATTT	TTTTTCATTA	CAGTTGTGTA	GCTTTCCTCA
103451	TATAGATCTT	GTACATATTT	TATTAGATTT	ATACCTAAGT	GTTTCATTTG
103501	AGGGGTACTA	ATGTAAATAT	AGTTTGTAT	AAATGTCAA	TTCTACTTGT
103551	TCATTGCTGG	TATATAGGAA	AGCAATTGAT	TTTTGTGTAT	CAACCTTGTA
103601	TTCTGCAACA	TTGCAGAATT	AATTACTTGT	TAATTTCCAGG	AGGTTTTTTT
103651	AATTGATTCT	TTTGGATTTT	CTACTTAGCT	GATCATGTCA	TCTGTAAACA
103701	GAGAGTTTGT	TTTTTCCTTT	CCCATCTCTA	TTCTTTTAC	ACTTCTTTT
103751	CTGTTTTTAC	TTAATTTGGT	AGGACTTTCA	GTATAATGTT	GAAATAAAT
103801	GATTAGAGCG	GACATTTTTT	CCTTGTTCCT	GATATCAGCA	GAAAAACTTC
103851	AGGGTCTCTCA	TGTAAAGTGT	TGATGTTAGC	TGTAGGTTTG	TTATAAATAT
103901	TCTGTTTCT	AGTTTTATCAG	AGTTATTGTC	ATGAATGGGT	ATTGGATTTT

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103951 GTCAATTGCT TTTTCTGCAT CTATTGATTT TTTTCATGTGA TTTTCTTCT
104001 TTATTCTGTT GATGTGATGG ATACATTAAT TGACTTTCAA GTGTTAAAGC
104051 AGCCTTGCAT ACCTAGTATA AATCCCACTT GGTGTGGTG TATAATTCTC
104101 CTGACACAAT GTTGGATATA TATATGTATA TTTTGGAC AACATCTCGC
104151 TCTGTCACCC AGGCTGGAGT GCAGTGGGT GATCTCAGCT CACTGCTACC
104201 TCTGTCTCCC GGGTTCAAGC GATTCTCCTG CCACAGCCTC ACAAGTAGCT
104251 GGGATTACAG GCCCCTGCCA CCATGCCAG CTAACTTTG TATTTTGTAGT
104301 AGAGATGGAG TTTACCGTG TTGGCCAGGC TGGTGTGAA CTCCTGACCC
104351 CAGGTGATCC ACCCACCCTG GCTTCCCAA GTGCTTGGAC CACAGGAATG
104401 AGCTGCCACG CCTGGCCTAC AATGTTGGAT TTGATTGCT AATATTTAG
104451 TGAGGATTTT TTCATCTACA TTTATCAGAG ATACTGGTTT TTAGTTTTCT
104501 TTTCTTGTA TGTCTTTGTT TGGTTTTAAT GTTAGGATGA TGCTGACATC
104551 TTTAAATGAG TTAGGGAGTA TTTCTCTGC TTTTATTTT TGAAGAGAT
104601 TATAGATATT TGGTGCAATT TCTTCCTTAA ATATTGGTA GAATTCGCCA
104651 GTGAACCCAT CTGGGCCAG TGTTTTTAT TTGAAACTT ACTAATTATT
104701 GATTGAATGT TTTACTGAA GATGGCCTA TTTGATGTC TACTTCTGT
104751 ATGATTTTTG GCAGCTTGTG TCTTTGAAGG AATTGGTTCT TTTAATCTAG
104801 GTTATCAAAT TTGTGGTTAT AGATTGTTAA TAGTATTGCT TTTTATTCT
104851 TTTAATGTCC ACGGAATCTG TAGTGACGCC CTCTCTTCA TTTTGATTT
104901 TAATAGTTTT TGTCTTCTAT CTTTTTATTT TACTTAGGCT GGCTAGAGGC
104951 TAGTTGATT TATTGATCTT TTCAAAGAAC CAGTTTTATT TTTGTGATA
105001 TTCTCTATTG GTTCTTGT TTCAATTTA TTATTCTGC TGTAATATT
105051 CTCCTTACTT TTGGTTAAT TTGCTTTCT TTTCTAGTT TCTATGGTGG
105101 AAGCTTAGAT AACTGATTTT AGATCTTCT TTTTCTAA TATATATATT
105151 CAGTGCTGTA AATTTCCCTC TAAGCACTGC TTTTGCTATA TCACACAAAT
105201 TTTGATAAAG TGTGTTTTCA TTTTCATTTA GTTCAAAATA TTTTAAATTT
105251 TCTCTTGAGA TTTCTTCTTC ATTGTTTAGA AGTGTGTGGT TTTATATTCA
105301 CATATTTTGG GATTTTCCAG TTATCTTCT GTTATTAATT TCTAGTTGA
105351 TTCCATTTG ATGTGAGAGC AGAAATGGTA TGATTTCTCT TCTTTCAAAT
105401 TTGTTAATGT TTTATGGCCT AGAATGACTT TCAGTTTCTT TTTGAATAAT
105451 TCGCAGGGAT TTTTTCAT TTTTATGTGA GCTCAACTGT GCATATATGA
105501 AGATATTTGT ATACTTTATT CGGCATTTTA GTTTTTTTAT GCAAAGATTT
105551 TCAAGTTTTC TAGTCTTTA TAATTCCATA AAATAAAGGT CTTAACTGAC
105601 ATAATTTACA TTAGTACTT ATAGTCAGAT TTAATAAATG TTACCTATTC
105651 TTAAATATCA TCAACAACGT TATTATTTT ACAAGTATAT AAAACTTGA
105701 CATTTGGGT ATAATAGATT ACAAAGTGGT CTATCAATTG AGGATATGGT
105751 TACTGGATAT AGTACTATGT AGATTATGCT ACAAAAACAT AATAAAATAT
105801 AGCCTATTGA AATAGTTGAA AGCATATCAC CGTCTCCAA ACTACATGTT
105851 CCCCACCTT TAAATCTTT ATTTTAAAC TTTTGTTC TCAGGGAAC
105901 TGGAAAGTAT TGTGGCTTTG TAGCTTTTAA ACATTGAAAG ATATATCTAT
105951 GGGAGTATAT ATTTATGTGT AAATCATGTG CAACAACATA TATTATTAC
106001 ATGGGGATTT AAAAATGTTA TATTCTGCAT GAAGTTGTAT ATCTTTTTTG
106051 CCTTTTGTAG GAGGATACTT CATCGAGACT TAAAGTCAA GAATGTATTT
106101 CTGAAAAATA ATCTCCTTAA AATTGGTAAG ATTTTAAAA GTATGAATTC
106151 CAAAAACGCA GAACAGTATA TTCTAGATAT TATCATATCA AATTGAAGTA
106201 AATGGTACGT GGAAGTATTA GAGTAATCAT TGGTTTGT TAAATTTCTCA
106251 AATTTTAAAG TACATGTGCT GCTGAAATGA AACTAAAT TCTCAGGTTT
106301 CTAGATGGGC CCAACAAAAC CTAATTGTTT TGTCTCTGAG TATCTGATAT
106351 AAATTGAGGT GTACAAATTT ACCACATATT TGATAGATT TTTCAAATATA
106401 CTTTGAGTTC CCTGTTTCAT GCCAGGCACT TTACAAGTTA TTAGAATCAT
106451 TTTACTGGTT TGATTAGTTA CTACAGGTTT CTATTTTATA TTATTTTCATC
106501 ACAAGCAATA AGTGGTTATA GATAATGAAA ATGTTGATAT AATGGCTTTA
106551 TTAACCTTTA GTTCTTCAGA ACTGTACCTC TCCTCATAAC AGCTACTGGA
106601 TCATCTAATC ATCATATAGG GTGTACTTGG GGAAGGAAGG AAGGAAGGAA
106651 TAAAGTGTG CAACAGTTA GGCAAGTATT AAAAGCTGA TAGATTCAA
106701 TTTTATAGT CATGTTCTTA AATAGTCTCA GATCTTTCT TTTAAACGCT
106751 CCATTATTGT AAATTTAAGA ACAAATCTT CTCCCTCAG GTGAAATTGT
106801 ATATCATCTT ATTCAGTTT TCCAAAATCA TTCTGTTTGC CATTATTGAG
106851 ACTTGAAATA GCTTTTATA TCAAATTGTC TAGTTTCCCA TAATCCAGA
106901 AATAAAGAAT TTAGCTTAC ATAATTCAT TCTCTGGCTC AAAGTCTTCC
106951 TTCTCCTATA AAACCTTATG TTTTAAACT ATTTACCAGC GTTGATAAT
107001 TTAAGATATA TTACTTTCT TTCTGTTAA AATGCTATGA ACCATTGCAT
107051 AATAAATGG TCAAATTAGG CACTCATTCA GTTGTTAATT TCCAGGGCTA

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107101	ATTTTTCGTT	GGCTTAAAGT	ATTCTATAAA	ATTAATTATT	ATTTCAAGGA
107151	GATTTTGGAG	TTTCTCGACT	TCTAATGGGA	TCCTGTGACC	TGGCCACAAC
107201	TTTAACTGGA	ACTCCCCATT	ATATGAGTCC	TGAGGCTCTG	AAACACCAAG
107251	GCTATGACAC	AAAGTCGGAC	ATCTGGTGAG	TGGGCTAGTG	GGCTAGACTC
107301	TTCATCTGCT	TCCCTAAAAG	AATGGTACAT	TTTGTCTTTC	AGCTCATTTA
107351	CTTACTGCAT	ACATTCACTT	TATCCCTTTG	ACATGAATAT	TTCTGTGACT
107401	AGAGTAAAAG	AAGGTCTTTT	GCATTTAGAA	CTCAATATAT	TTCATTTAAC
107451	TAGTTTCAAA	AATTCTTTTT	ATTCAGTGAT	AATTGGTTGG	TTTTGGATTT
107501	TTGGTTCCTG	AATCACAAGG	GAAAGTTCTT	AATGTACCAT	AAGCATTAAA
107551	TTTTAATACA	TTTCTGTTAA	CCTATTAAAT	AAAGTATTTG	TAACCCTAAG
107601	TACTGTGCTT	ATTCTATTTT	AAGGTTAACT	TCAATCTCTG	TGGGGAAATG
107651	ACAGCTTTTC	TATATTTTTT	TCTTTTTGTT	ACTTTTAAAG	ATTTTACTAA
107701	AGATATTGGC	TTTAAAGGATA	AACTATTTTT	TTTTTTTTGA	AATGGAGTCT
107751	TGCTCTGTTG	CCCAGGCTGG	AGTGCAGTGG	TGTGATCTCA	GCTCACTGCA
107801	ACCTCCACCT	CTTGGGTTCA	AGCGATTCTC	CTGCCTCAGC	CTCCCTAGTA
107851	GCTGGGACTA	CAGGCTCCCA	CCACCACGCC	TGGCTAATTT	TTTGTATTTT
107901	TAGTAGGGAC	GGGTTTCACT	GTGTTAGCCG	GAATGGTCTG	AATCTCCCTGA
107951	CCTCATGATC	TGCCCTGCCTC	AGCCTCCCAA	AGTGTCTGCA	TTACAGGTGT
108001	GAGCCACCGC	CCCGAGACTA	GCATAAACCTA	AATTTTAAAA	TTTTCTGGATT
108051	TTCACTGACA	GATGCATCTG	AGATGTCTCA	GTTTCTCTGA	GCTCTTATAT
108101	TAAAGGAATT	TCTCCTTCCT	TGTTATGGAA	CTAAGTGAAA	TCTCACTGCA
108151	GAAGCCATGT	GGAAATTGT	ATTCAGTATG	TTCTAGTGTA	AGCAATAGAT
108201	CCTATTTCCT	TTCTTTAGAA	GAGGAATCTT	ATTATATACT	TTTCTGCTTG
108251	TTGAGGGTTG	AAAGAACAAT	CTAGCTGAGG	CCTTGTTAAT	TAAAGTAAAT
108301	ATTAGGTGT	GCAAACTAAC	ATAAATGAGT	GCTGAGTTTC	AAAGACAAGC
108351	AGTGATAAAG	ATGTGCTTAC	TTCACTCTTC	TAAAGAAGAC	AAAGTAGAAA
108401	ATTACATTTT	CTCTGGTTAG	GGAAAAGTGA	ATCACAACAG	GGGATATTGC
108451	TTAGGATTTT	CACAAGGGTC	ATTATCTGTT	CCTTGTTCTC	GTGCCTACCA
108501	AATGGGAGAG	AACATTGTCA	AGATTAGGTC	TGGGTATGGC	AATTCCCCAT
108551	GAATCCCGTC	CTTTCGAATC	AGTCTTGCAA	TTGTTTCATT	CTAAATTATT
108601	CACGTGTTTT	TTTCACTATT	GGCTTACTTC	TGCCCTGGAG	GTCTTTTCCA
108651	ATTACCATAT	CATCTTCTGT	CTTCTTTTCT	TCTAACCCCC	TTTAACTACCA
108701	CATCCAAAAG	AAAAAGAAAA	CCCAAACCAA	ATAAAACCAA	ACATCACAAA
108751	GGTATGTATA	GAGGAATAAC	TAATGAGTTC	CTTTAAATTT	TGCTTCATTG
108801	AACATCTACT	ATTTGCCCAA	GACTGTGTAA	CATTCTTTAG	GTATAAAGCA
108851	AAAGTGATAG	GATTCTTACC	TATCAAGAGA	AATCTTGCTT	CTTTTGAGT
108901	CCCTTTCTCT	AGTTTGGAGA	ATCAATTTTG	GGCTTTGCTT	CAGATCGAAT
108951	TTCAATTATA	TACCTATATA	TCTCTTTACA	TTTAATTTTA	AAAAATTAATA
109001	TTATGGACAT	TTTAAATAG	ATTCAAATAT	ATATCTTTAT	AGTTTAAGGT
109051	TATATGGTAT	CTCAAGAAGA	TGTTATGTTA	TGCCATCTGA	ATTAGGAGTA
109101	AATTAATPTA	CAAAGCCTAT	CATTTAAGTT	TTTGAATTA	TATGTAACAA
109151	ACCTGGCTCC	TTTTGCACAG	CAGCTATATC	TGCTTTCCAG	ATCAGATGAA
109201	TATCTCTGAT	AAAAACAAAG	CAACAGAACC	CACAGAGAGG	AAAGGAAGC
109251	ATAGAGTATT	TGTCTCAGTT	ATGTGAGTGT	TATTCTTTT	TAAAAAATTG
109301	CTCCTACTAT	TACATGGAGT	ATTATGGGAT	ATCAGATAGT	ATTGCTATAC
109351	TTTAGGATTA	CAAACTGTCT	TGACTCAAGA	AAAAAAAAC	AGCCAAAACC
109401	TCCAAAATAT	ACAAAGCAGA	AGGATTTTAA	TGTGTTTCTC	TGAGCATTAG
109451	GTTAGCTCTC	CTTGCAGAGA	TTAACTTTTC	AGCAAGTACA	AGCTTAGGAT
109501	TCATCATCAT	CCTGACCCCTA	AATAACCCAC	TTATTATGCA	TTTAGTAAAT
109551	ACCTTGGTTG	TATCAGCAATC	AAAGTGGGCT	TATCTGGTAA	TGAAATTTCT
109601	ATTGCCAAAC	CTAAAATGGA	AATAATAAGA	GAGAACTATT	AATTATAGTG
109651	TCAGATACAT	ACGTGTGATG	AGTAATCTTT	AGTAGACACT	CTGAGAAAAA
109701	TTAGATTGAA	TGAGGTTGAG	AACCTGTCTC	TGAACTCTCAG	TGTGTAGCAT
109751	CTGTTTATTG	TGGAATTTTT	TTTTTAGGAT	AGAAACACTT	ATGAATAAAT
109801	GACAGGTGTT	TGTGTTTAGC	ACTAATAGCT	GTACATATTA	TATTTATATT
109851	GCTTAAAGGA	GAATTTGCTT	AAAGGAGAAT	TGGCCTAATA	CTAGTTATGT
109901	TTTCATCTGT	AATGTTTGCC	CATATGTAAC	ATTATCTTCA	TTCTGCAATC
109951	TGTTAAACTT	TTCTGGCTTC	ATTTATTTAT	AGCATTCAGT	ACAGGAAGTC
110001	CTTCTCCTAA	AAGTGGGTTA	GGTTCCAAAA	GTTTATAAAG	TTATTTGCAA
110051	AGTTAGGATA	ATTAGGTTTA	CTGAGAACAA	TGCTTTGATC	ACAGCTGATT
110101	TGTATAAGCA	ATTGTTGAAT	ACTCTTATAC	CCACAGGAGA	AATACAAATA
110151	TGAGTTGGGT	TCCTAGGGCCA	GCTCATTTAA	TTGATTTAAA	CTACGAATAT
110201	TTAGAGTATG	TTATTTTGGT	AGGAGAAACA	AATAAAGGAC	AATATTATTT

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110251 GAATAATGGT ACTGCAATTA GACAGAAAGA AAACAATATT TCACTGTTGG
110301 TCTTATTTAC TTTGTTGTGA GAACCAACC AGATGGCTCT TTGATCTTGT
110351 AGCCCCCATA TTCTTTGGGT GATATAAGTA AAGGGAACAG TGGTGGGAAT
110401 AGTGGCAACA TCTAGAGTGT ACTGTGAAGC TCTCAGGGTC TTTCTCAGAA
110451 ATTTGGTGTG GAGGTTAGTT GGGTGGGGGA CAGAGAAGGA ATCTAGTTCA
110501 TGCCCAACAT TGGACTCAGG CTTTCATGAT CTTGGGGCAG AAGTGTCTATG
110551 CAAGGATTAG CTGTGAGTAG AAGAAAACAG AGAAGAACCA GCACCTGCCT
110601 GACCTGCCAG GACCAAGAAA GTATCCTCAT GGAAGAACAT TTCCAGGGTG
110651 GACAGGGAAG GGATGGGGAC AACAGCCTAT TTTTTTGAGA AATACAGTCC
110701 AACTTGCCAG CATTTCCTGT AACTAAAATG AGGCCATCTA GTAGCTGGCA
110751 GCCAGCAGCT TCATCAGCTC CCTCCTGGTG AAGAAAGCTC TGGAGCAAAA
110801 GAATTAATTT TTTTCACTTG CCCATGGCCT GGGAACTTCT TATGTGGGTT
110851 CAGAAGAAAG CTATTGACCA GGGAGTGCTT TCCTAGGGAA TAAGCACTGG
110901 TGTCAGTATT TTCATCCAAT GGAAGCTTAG GTGAGAAAAC ATTTCACTCA
110951 GGTGAAGTAT ATTTGAACAT TAATATATTT TTTTCAATGA CTAGCATGAA
111001 ATGGTTGATA CAAACTCTGC AGATAGTACT AATTTGGCCT GATGAATTTT
111051 AAAAGGGTTA ATAACATAGC TAATAAATCC TTGTTAAATT GATATTGATG
111101 GAGGAGGGGC AGTGCAAGAT GGCTGAATAA GGGCCCCACT GATCATGCCC
111151 CTCCCAGGA ACACCAGGTT TTAACAAAAAT TTAATTTTTT AATTCTTGTG
111201 GGTACACAGT AGATGTATAT ATTTATGGGG TACATGAAAT ATTTTGATAT
111251 AGGCATGCAA TTCATAATAA TCACATCATG GAAAATGTGG TATCCTTCTC
111301 CTCCAGCATT TATCCTTTGA GGAAGACCAA GTTTTACAAC TGTCTACACA
111351 AAGGAACACC GGTATAAGA ACCAAAAACC AGGTACCAGC TCAGCCACAG
111401 TGGTGTAGAG GACCAAGTGA GATCTTGGAG TCCCTGATTT CATGTCTTAG
111451 CTCTTGGATA GCATTGCTGG ACCTTCCCTG GGCCAGAGGG GAACCCACTG
111501 CCCTGAGGGG TGAGTTCCAG GCCTGGTGGT ATTCACCACA AGCTGAAGGA
111551 AGAGTCCCTA GGCTTAATT GAGCATCAGT GGTAGCCTGG GAATGTTCCC
111601 TGTAGGCCTG TAGTGGTGGT GGCCATGGGG TGAAGCTCCT CTGCACATAG
111651 GAAGGGGAGG AAAGAGTGGG AAGGACTGTG TCATGTGACT TGAGTGCCAG
111701 CACAGCCACA GGTAGAATAT AACACCATGC AGATTTCTAA GGTTTTAAAC
111751 TCTAGTCCCT GGCTCTGGGA GAGCATCTCT GGACCTGCCC AGGACCTAGG
111801 AAACCTCACAC CTCTCAAGGG AAGGACACAA ACCTGGCTGG CTTCAATCATC
111851 TGCTGCTTGT AGAGCTCCAG GGCTTGAGT GAACATAGGT AATAGGAAGT
111901 AGTTATGGGG GCCTTGGACG AGACCTGGTG CCACTACAGT CCCAGTAGTG
111951 GTGACCAAGG GAGTGCTTGT GTCACCCAC CCCCAGTTCC AGGCAACTTA
112001 ATACAGAGAC CCCATTTGTT TGGGAGAAAG TAAGGGAAGA GAACAAGAGT
112051 CTTTGGCCTT TAATCCAAAG AATTATTCTG CATGTTATCT AAGACCACCA
112101 AGGTGGTACC TCTACAAGTC TGTAAGAACT ACAGTGTTAC TGGGCTTGGG
112151 GTGGCCCCAA TGCAGATGTA GCTTAGATCA CAACACCCAA GTATTTTCAA
112201 ATACCTGGAA AGCCTTCCCA AGGAGGATGG GTACAAACAA GCCCAGATGG
112251 TGAATACTAC AATAAATACC TAACTCTTCA ATGCCCAGGC ACTGATGAAC
112301 ATTCACAAGT GTCAGGACCA ACCAGGAAAA CATGACTTTA CCTAACAAAC
112351 TAAATAAGGC ACTAGGGACC AATCCTGGAG AAACAGAGAA ATGCAACCTT
112401 TCAGACAGAG AATTCATAAT AGCTGTTTTG AAGAAACTCA ACAAATTTCA
112451 AGATAACACA GAGAAGGAAT TCAGATTTAT ATCAGATAAA TTTAACAAAG
112501 AGAGTGAAAT AATTAAAAAG AATCAAGCAG AAGTTCTGGA CTTGAGAAAT
112551 CCAATTGACT GGAGAATGCA TCAGAGTCTC TTAATAGCAG AATTGATCAA
112601 GTAGAAGAAA GAATTAGTAA GCTCGAAGAC AGGATATTGG AAAATACACA
112651 GTCAGAGGAG ATAAGAGAAA AAAGAAAAAA AAAAAAAAAG GAATGGAGCA
112701 CACCTCCAAG ATCTGGAAAG TAGCCTCAA AGGCAAGTCT AAGAGTTATT
112751 GGCCTTAAAG AGGAAGTGGA GAAACAAATA GGAGTAAGAA GTTTATTAAA
112801 AGGAATAGTA ACAGAGAACT TCCTGAATCT AGAAAAAGAT ATTAATATAT
112851 AAGTATAAGA AGGTTATAGA AGACCAACA GATTTAACTC ATTAATAAAT
112901 GATGTGGCAA ATTCATATAC TCCTGTTTTG TTAATTCTGT GGGAGAGCAG
112951 GAGAAGGGAG GGTAGTTCA GGATTTCTT TCATTCTCT TACTAAAGAA
113001 AAATTTAGTT GTGTTAACAA GTTCTTATTT CAAACACGCA AATTTATTG
113051 GCAAGTATTA AATCTTATCA CCACACTTCA TTGTTTACAT TGCTTTTTAA
113101 ATTTGTTTTA AGTCTTGGAA TCCCTAGTTG AGACTAGTCT TTCTATAGGA
113151 AGTCAAATTG GGATTGAATC TTTCAAATTC CAGGATTGGG CACTTTGTAG
113201 CGAGGAGCAT CAGGGGCGAG GAAAGAGTGT GGCCATGAGA GCCTGGGCAG
113251 GGCCTGGGTT TCTGATGAAG GAGACCCCTT TGATAGGAG CATAAGGTAA
113301 AATGTCCCAT GATCCATAGG GGCATGTGGC AGATTGTATT TTCCAAAAAT
113351 GGCCATCATA ACATATCACT TCTCACATGT TCTTTTCTCA CATGTTCTTT

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113401 TTATAATGTG ATGTTGACAC ACTCTTACTG AGAGGTGGGG TCTGTGTTCC
113451 CTCACCTTTA ATTTGGGTAA GCCTGTGATT ATGGCAAAAT TGATGCTATG
113501 TGACTTCTGA ATCTAGGTAA TAAAAGCAAT ATAGATTTTG CTGGTTCTC
113551 TGAAGATTCT TGTTCCTTGA ACCCAACTAC CCTGTTGTGA GGAAGCCTGA
113601 GTGGCACATT GAGAGACCAA CATGGAGAGG GCCACATTGA GAGGAACCAA
113651 GGCCTTTGGT CTTTACTCCC ATTGAGCTTC CAGCTGATAG CCAGCATCAG
113701 TTGGCCAGTG ATGTGCGTGA GCCATTTTGG AAGTGGATCC TTAAGCCTCA
113751 GTTGAGCATC ACCAGCAGAT GCTGTGGGGA GCAGGTTCAA GGCTTCCCTG
113801 TCAATCTCTG ACCAAAAAGA TTCATGATCA AAATGACTGA TTATTGTTGT
113851 TTTAAGGTAC TAAGGTTTGG GGTGGTTTTT TATGCAGCAG TGGTGAAGTG
113901 AGCAGGACTT CATCAGGAGA ACGGCAAGCA GGAGTTGAGA AGTAGCCTCT
113951 AATCTAGGCC TCCATATGAC AATCTGGCAG TGTTTGTTTT CTTTATGTCA
114001 AAAGGCTCAA TAAATTGCTT AAGAGAAAGT GCTTGTGCCA GAAAAGCAAT
114051 CTGGCACTCT ACTTGCTGGT CTGTTTGATG GGTAGAACCC AAGAACCTGG
114101 ACCACAGCTG AGAACTTCCA GACCAGCAAC TTTTCCATGT GCCTCAGAAC
114151 TCTTCTTTCA TTCCTCCTGA CTTTGCCTTC TTTCTCCAA CCCCCACCTC
114201 AACGTCACCC CTAGCACTGG ACCATCTGAC TCCAGCCTTA TCTTCTATC
114251 ATTCCCATGA TTCAGTGGTA TGCTGGAGCT CATACCAGCT CATAAGACCC
114301 AATTATCCAC ATTTCTTCTC AAGTCAATGT TCACTGATGT CACATTAGTA
114351 ACTTGAAAAC AACCATGGTA TTTATACCAT GGAAATTTGT AAATTAGGGC
114401 TTCTCCTCCT ACCTCAGAAA GGCAGTGTAC CAGAATAGCT CATACCTTTA
114451 GCCTTACTCC TTCTTGCCCC TAGGGTGGTA TTTGCAGAAG GGAAGAGACG
114501 TGAAGACATG AAGGTTTCTG TCCTCAAAGG AATGATAAAC ATATAAACAA
114551 ACTGTGTAT ACTGTTATAG TGCAATACAT ATTCTGATGT ATAAAGCAGA
114601 GAGTGATTGA CAGCTGGGGA TAGGGGTAGA GAGCATCAGC TACAGTCTTA
114651 GAGAGTGCAT GATTCTGCT CAGGATGGGG AAAAATGGAG AAGAGTTTGG
114701 CAAATGTATT TCAGGTAAAA AGACCCAATG TCAATGACCA AAAGTGAGGG
114751 GTGCCCCTG GGAGAAGAGG GAGGGAAGTG TGCAGGGAAA GAAAGTGGCT
114801 GGCCAGAAGA ACCATTTGGC CAGGGCCTTC TCATTATGA AGGGCCTCAA
114851 ATGTATGTGT TTAAAATTAT TTCCAAATGA GGTGGTATAT GTTAAAGGTG
114901 TTTATTTAAT GCCAAAATTT CAGATATATC ACCAATTTTG AAACCTTTAT
114951 TGGGGTATTT ATTTGTTTCT TTAATAATATA TACTGGGAAT TTAATAATAG
115001 TTACAAATGA CTTGGACCTT CTCTGACTAC TGAAAGACTC TGAGAAATGG
115051 TATGAAAGGA CATGGAAGCA TGAGAAAGCT CAGGTTCTTC TGATTAGCTG
115101 TAGGACAAAG TGTGTATGTG GCAAGGAGGG GAGTGTGGT ACATTTGACT
115151 GAAGGGCGGG CAGGGGTCAG ATGGTGAATG ACCCATGTAA TTATGAAAAG
115201 AAGCTTGTAC TTTTCTTCTC TGGAGTATGA GAAACTGCTA AAGGCTGTTA
115251 AGCAGAGGAA TGATGTATCA GTCAGCTTTG CTGCGGTAAC AAAGAAGTCC
115301 AAAAAATCTC AGGTACTTCA TATATTGATT CTTTGCCTTA CCTGAGGACT
115351 ACAGATTAAC TGAGTTTCTG CTCCAGTTGC AGTCCTGCTC TGATCCATAG
115401 TTTTCCAGT TCCAGGACAC AGGTTATGCT CTGAAAAACA TGGACAATAC
115451 AGTGCTAGAG AGAAAGAGCA TGTGTCTGCC TTTAGATCCT CCACTCAGTT
115501 AGTTGTGACA CACTCATAT CCACCATAT TCCACTGGCT GAAGCAAGTC
115551 CTGTGCCAAT TCCCCTGTG GGGGAAGGGA AAAAGAATAT TCGCAAAGAG
115601 CAATCAATCT ACCAGGGGAG TCAGTCTTAT TATGATGCCA GCTGGGCTAT
115651 AGAAAAGTGA CAGGAGGGAG AAGATTGGTG GAGACTAAAG GAGGGAGATA
115701 GGTAGGTCTT CTATTAACCT GGCACATTCT ACTACTTTTG ATGTTCTGTC
115751 CATCATAAAA GAGCCTCTGG AGATCATATA AAATTATTA AGCAGTTGGA
115801 ACACAGCCAT TCAAGTAAAA TGTGAAGCAG TTCATGCCCC ATAAGCAGTG
115851 TCGGCTGTTG CCATATTGCG TCTTAATAGA GTGGCTGAGT AAATAACAGT
115901 TGGTTATGTA AGGATGCTTT GATCATTGTT TCCATTGCCA ACCTACCTCC
115951 CTACCCCAAC TCCAAACATC CTTTCCTAAG CTGTATGGTT TGCATAAAAT
116001 CTATAACTGT GACCTTAAGA ATAGCTAAAG ATGCAAAGAA GCTTTGACTT
116051 TTAGCCAGTT TTTCTCTTCT GCCACCCTGT GGTCTCCTTG TTCTCCTCAC
116101 TCACCTGGTT TGATCTTTT CCTCCATTAG CCACATTCTT ATGGTATGGA
116151 GGACATGGGA CCACTACAGA GGAGAGAGCT TTGATAATCT TCCTTGAAAC
116201 ATTGTAAGGC TCAGTTGTGG AGGAAAGTAA TTAGAAAGAG CTGGTATGAA
116251 CAGGAGAAAA TTCACCCAAA CCTTGTTTTG TCAATAATTT TATGGGTCGT
116301 ATTCCCTAAA ATGTGACAGT ATATTAGAAT ATGATAAGAG AAATGAGTTC
116351 ACTTTTCTTT TTAATATATC TTTAAAAAAT TCAGCTCATC AGTCACACTA
116401 GCCACATTTT CAGTGTCAA AAGCCAAATG TGGCTGGTGG CTATTGTTTG
116451 TAGAAATAAG AACATTTCTA TGAGTTCAAT AAATTTCTTT GGACAGCCCT
116501 GAACTATTTT GCTCCAGCTG CTTTAAGCCT TATCTTGGGA TTTCTTGCAT

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116551 TCACCCTGCT TTTGGATTGG GCAGAACCCC TGCTGGGTTT AATTGCTATG
116601 CTTAGATTGG TCCACTTTAG ATAGTTTGAG GTTCTTCTGT TCTCATGTCC
116651 CTTGATCACT CCATTGCCTC CCTCTGCTTC TTCTCACACA GATGCTGATA
116701 CTATGCCAGT CAAGTAGCTG TGTGGTTTGT GTTCCTTCAC TTGCACAGCA
116751 AGGTTCAAGG GGACACCTTA TAACTTGGCT TTATAATAAA TTATTATTAA
116801 ATTATAATAA ATATTATTCA TGAGTTTGA GTTTTGTCT GTAGCTGCTC
116851 TGTTTTTATA TGTGGATTCA AGAAAGATCT AAAAAGTATG CTCCACTGT
116901 ATCTACTGTT TCCCCCAAA TGCTCGGAAT CAGCATTTTA ACAAACCCC
116951 TAAGTGATTT ACATATATGT TAAAGTTTGG GAAACACTGA TAGAGGTTTT
117001 GAGATAAGGT AGGTCATTCA TAAAAAATTG CTATATAATA TTGTTCCCTTA
117051 AGTACTATTA CTCAAGCAG CCAATGTTT TTCATTATAT TTATTTTCAT
117101 TTCATTATAT TTAGACTGAA TTTAGGTAA TACTCAATTC TACCTAAGTA
117151 AAGACTTTCA TTTAGGGTGA TACACACTAA AGCAAAACCC ACTACTCTTT
117201 TATTACATTT CCATTACTGT TTCCATAGAT TGAAGTGAAT CCTCTTTTCT
117251 AGATGAATAT ATCAGGATGC TCTTCAATTA CATCAAAATA AAACATTATC
117301 TAGAAGATCA ACAAACCTTC CTAACCAACT AGAGTCATGC ATTGCTCTGG
117351 GGCAGGCATC TGTTTGCAGA GTCTGGCAGA TTTTGAAGGG TAAATTTAGT
117401 TACCTTAAGA CAAGCAAAGT CTGAGTTACA TTTGTGATTT ATTATCAATC
117451 AACCTGTGCT TCAGAAATTT TCTCAGTAGT TCCGGACAAG TTGTTCAATT
117501 TGGACAGATG GCAAGTTTAT GGAGTTCAGG TGTAATTTGC TTCACAGACA
117551 CCTGATCCCA GCCTTCTTTT TCATTGCTTG TATTCATACT CCCTCAGGGA
117601 TTTATTTGCT TATCTCTTCA CAGTTGTCTG TATTTTGGAA AAAGAAAGAA
117651 ATGCAAATTA TAGACTTCTA AGTAAATAC ACATCTCACT TGTTTATTTT
117701 AGCTCTCCCC CACCCCAAT CTGCTTTTGT ATCAGCAGAT TTAAGACCTG
117751 GGAGTCAAAT AAGGGAAAAT TATTTTAAAA GGATGGAAGT GAAGAGTTTT
117801 AGATGATTCC TATATGGAAA TGTCTGGTTG GAACTAGAA AAAAGAAACA
117851 CTGTACATA GAAATATAGT CACCATATGT ATTTTGGTTA CCTACCGTAT
117901 GTATTTAACA AAACCTCTAA GTGATTTGCA TGCATGTTAA AGTTTGGGAA
117951 AACTGACAG TGGTTCTGAG ATATGGTAGG TAACCAAACA TCTTTTACCT
118001 TTGAATATCT AGGTAGTTTC TGTAATCAGA TTGTCCAAGT TTCAGTTACT
118051 GGCGCCCAT TCCAGGTAGG CCACTGGGAC CACTATAGCA GGTCCGTTTC
118101 CACAAGTTAC TGGCTGATAA ATGAAGTCTT CTCTATGTGC TAGAGTGCAA
118151 GCAAATACTA GTCATCAAAG TGAAACAGGT AATTGCACTG CATACTACAG
118201 TGTAGCTGAG AGGATTTCCA AAACAGAGAG TACTGTAGTC TTATATGAGA
118251 ATTAATTGAT TACTAAGTTA GGCTATGAAT CTAATTGTTT CATAGTTTCT
118301 TTAGCCAGAT AATTGCATAT CTTTTTATT TTTATTTATT TTTAGAGATG
118351 GTCTCACTCT TTGCTTAGG CTGGAGTGCA GTTGTACAAT CATAGCTCAC
118401 TGTAACCTCA AACTCCTGAG CTCAAGTGAT CCTCCCACTC CAGCCTCTGG
118451 AGTAGCTAGG AATACAGGTG TGGGCCACCA TGCCAGTTA ATATATTTTT
118501 ATTTTTTGTA GAGATGCAGT CTGCTATGT TGCCAGGCT GGTCTTAAAC
118551 TCCTGGCCTC AACCATTGTC CCACCATAGC CTCCCAAGTC ACTGAGATTA
118601 CAGGTGTGAG CCACTGTGCC TGGCCTACCA CATCTTTTAA TAACCTTAAT
118651 AAATTCATCA AAGTAGAGTT ATATCTCCAT CAAACCAGAA TGGTGATCAA
118701 TTCACGTGTA ATAGACCACT AAGCCCTCTT TCCTTCCAAG CAATGAAAAG
118751 ACAAAGGCCA AACTTGTCTG CCTTCTTTT TCCATAGAAG GTCTCATAGT
118801 CTGTGTGCCC TATATTTGCC GTGGTGTGAC GCCCTGCATA GCTTGTGTGC
118851 TAAGGCCCCA GTGATTTTTA AAAGTGAATT AAGGTTCTAT ATAGAACCTG
118901 AAATTACCTT GGGAAATCAG CCCCTGCTTA AAAGGCTCTG TCAGGGCTAG
118951 CCCTGATTTT CAACTCAAGA GAGACTTTCG TGATCCAAAA TGCTCTGATT
119001 GGTGCAAGAT CCAGAGGCAG GATAGCATAG AGAGTCTGTG TCTCTAGAGC
119051 CAGATAGCCT GGGCTACAAT CCCAGCTTTA TGACCTACTC AGTATGGAAC
119101 CTTGAACAAT TTACCTAATC TTATGGTTTT CTCATCTGAA AAATGGGAAT
119151 AATAATAGTT CCTACCTCAT TAGGATTGTT GTGAGTGTA GTTAATGAGT
119201 TAAAATATGA AAGGAACATA GAAGAGGGCC TGGCTCATAG TAAACACTAT
119251 TAACATTCCA GCTATCATT TCATTATTAT TATTATAATT ATCATTATTG
119301 TTGTTACCAT TTGTGTTATT GATGGAGACA ATCTAATAGC TGCTTCCAAG
119351 ACACTTTAAA ATGTTCTGGA TCAGGGGTTG TTGCTCCCAA GGGTTGTTGT
119401 TACAGCCCTT CCGATATGCC CAGGCCAGGA GAGGTTGTCT AGCTTGTCTT
119451 GTTTCTAATC TTGTCTCAA GGAGACCCTA AGCCTATGTG GGGTGAGCAT
119501 AAATCATCAG AACAGAGTGT GTAGGTGCTG AGTGATTGCT AGCCTTCTGT
119551 TACTTGGACT TGCAAATTTG ATTTCTTTTT TTCAGTTTTT AGATTATTAT
119601 GTGTGTGTTA GGCTACATA CAGAATGTGA TCAATGTAAC TTTTAAAAAG
119651 AGAAGTTTTA AAAAGTATTG GATGAGAACT AATACCAATA CCAACATGAG

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119701	CTGATCTGAC	ATGGTACCTT	TCTGGGCAAA	TTACTTCCTC	TCTCTGAGCT
119751	TTGGTTTTCT	CACTGATAAA	ACCAGAGTTT	GAAATGAGCA	AATCTTTATA
119801	GTCTCTTGTA	ACTCTACTAT	TCTGTGTAAG	AAGACATTCT	TGAAGTTTGA
119851	ATTATAGATT	CTTCTGTGGG	GAAATAACCA	AGTATATTGT	GGCAATTCAT
119901	AACATAAACA	TTCTACATTA	GTAAGAAGTA	TTGGTTC AAC	TTGATGATTA
119951	TATATTTTTA	GTAGATATTA	GCCCTCTTG	TTTTCCCTAAG	GAAACTTTTTT
120001	TTTTCATAGT	ATACAAGTA	CTGACTTGGT	ATTGTCTGTC	TTTTTCTTTT
120051	TAGCCATTCT	GATGAGTGTG	TAGCATGTAG	TGGTAGTACA	CAGTGGTTGT
120101	AATTCGCACT	TTTCTGATGA	CTAAAAATGT	TGAGCGTCTT	CTCATGACTT
120151	TTGGCCATTT	AGCGTCCGTT	CAAGTCTTTT	GCCCATTTTT	CTATTGGATT
120201	CTCTCATTTT	TCTATTGACT	TTATAGAAGT	TTTAATTAAT	TTTATCCATA
120251	TTTTGGTAGT	CTGATGAATA	TTTGAATTGC	AAATACCTTA	CACATGATGT
120301	CTTCTTTTTC	ACTCTCCTAA	TGGTGTCTTT	TTATGAGTAG	AAGTTTGTAA
120351	TTTTAATGAA	GTTCATTTTA	TAAGTTCATA	ACTTTATCAT	TAGTGCCTTT
120401	TATGTCTTAA	GAAATCTTTG	CCTACTCCAA	GATCATGAAG	ATATTCTCTT
120451	GTTTTCTTTT	AAAACTCAGT	TTCTTCTCC	TGTTTTCTTT	TAAAGCTGAC
120501	TCAATTTTCA	TCTGTCTTTT	ACAGTAACAT	CTATCTATAA	TTGATCTGTG
120551	TGTGTATGTG	ACTATAATGT	ATGAGACAGG	AATCCAAGTA	CGTTTTTTTC
120601	TATATGAATA	TTCAATTGGC	CCAGCATAAT	TTGTTGAAAA	AGCCATATTT
120651	TCCTCTACCA	TGCAGTGGTT	TATTTTTGCA	TTAATCAAGT	GATTAAATAT
120701	GTGTGAATCT	GTTTTTGAGC	CCTCTATTTG	ATTGCATTGG	TGTATATTTT
120751	TTCTTCTTTG	CCAATACCAC	ACTTTCATAG	GTAATATAAC	TTTATAATAT
120801	AAGCTATATA	ACTTTATAAT	AAATCTTGAT	ATTTGGTCAT	ACAAAACCTC
120851	CAAATTAGTT	TTTGTTTAAT	TGCCGTGGCT	ATTCAGGTTT	CTTTGTATTT
120901	CCAATAAAAT	CTTGAATCT	GCTTTTCAGT	TCTTGCCAAA	ATGTCCTGTA
120951	GGATTTTGGT	TGGTATTTCA	TGGGCCTCTT	TAAGTGTGTT	TTTGTGCAAG
121001	TTTATAGAAA	TAAAGGGCTT	TGTATTCAGC	AGTCTTGCCT	AATTCCCTCG
121051	TTAATTCTAA	CAGTTTGTCA	GGTCTTTGGA	TTTTTTTCTG	TACACAATCA
121101	TGTTGACATG	ATTAATGACA	GTCTAATGTT	TTCTTTACTA	ATCTTTATAG
121151	ATTTTTTTTAA	AAATTTACTT	TTTCTGGCAT	TATTGCTTTG	GGAAGCACCT
121201	TCATTACAAT	GTTGAATAGA	AGTGATGATA	TAGGCATCTT	TAATTTTGTT
121251	CCTAATCTCA	GAAAGAAAATA	ATAAACCTTC	AATATTTTAC	CAATAAGCAT
121301	AATGTTTACT	ATATATTTTT	AAGCTTCAAA	AAATCAGATT	AAGGAAGTTC
121351	CCTCCTATAT	CTGGGTGTCT	AGGAGTTTTT	TTCTTTTTTAA	AAATATAATA
121401	AATTTTGAAT	TTTATAGAAT	GCTTTTTTTG	CATCAGTTGA	GATGGTGATA
121451	CAATTTTTC	ACTTTTTTCT	ATAATGAGAT	ATATTTTGAT	TGATTTATTT
121501	TCATATATTA	AGTCAACTCT	GTATTTCTGA	AATAAAATCT	ACATGGTCAT
121551	GATGATATAT	CTTTTAAATA	TGTCGATATC	TATTTGCTAA	TATGTGTGTG
121601	TAAATTTGGG	TTATTTGAAT	CAACGTTTCT	GAAAACATTT	GCTCGTAATT
121651	TTCTTTTCCC	ATAATATCCT	TGTTATATTT	TAGTATCAAA	CTTGTCTCTG
121701	TCTTACGAAA	TGAAGAGGTT	GAGTAAGATT	ATTGTATATT	ATTTCTTAAA
121751	TATTTGGAAG	AATTTATCAG	TAAAGCCATC	TGGTCTCTGA	GTTTTTCTTT
121801	GCAAGAGCTT	TTTATTATTT	TATTTTTCTG	TATTTACGAA	ATATCTATAT
121851	TGAGAAGATA	AAGGTAGCCA	CTGTTCTGTT	TTTGTGCTGA	AAATACATTG
121901	GTAGGCAAAA	ACAAAGCCAA	ACAAATACAG	GGTCCTTATA	AGGATTGCTT
121951	TATAATATTT	ACTTTTGAGA	TAGAGGGTCA	GGGGATACTT	CTGTTGTCTA
122001	TCTCAGTTAT	TATTATTTTT	AACTTTTATT	TTAGGTTTCA	GGGTACATGT
122051	CCAGGTTTGT	TACAGATATA	TATATATATA	TATATAATAT	GTCAACAAGG
122101	CTTGGTGTAC	AGATTATGTC	ATTACCTAGG	TGTTAAGCAT	AGTACAAAAT
122151	AGGTAGTTTT	TTTTTCATFA	AAATAAATTT	TATGCATACA	TAATAGTCGT
122201	ACGTATTTAT	GGGGCACATG	TGATATATTG	ATACAAGCTT	ACAAATGCATA
122251	ATGATCAAA	CTAGGTTATT	GAGGTATTCA	TTGCCTCAA	CATTTATCAT
122301	TTCTTTGTGT	TGGGAACATT	CCAAGTCTTC	TAACATTTTT	GAAATATATA
122351	ATAAAATTAT	GTAACTATA	TTTTTTTGTT	TTAAACCTTT	ATTTATTTGT
122401	TTGCTTATAG	TTTGTACAG	CAACCGCCTT	CTTTATTTTT	ATTTTTGAGT
122451	TCCTCAACCT	CCTCCTCTCC	CTCTACCTCA	AAGTAGGCCC	CGGTGTTTGT
122501	TGTTCCCTTC	TTTGCATTCA	TGTGTAGTCA	ATGTTTAGCT	CCCACCTATA
122551	AGTGAGAAAA	TGCAGTATTT	GGTTTTCTGT	TCCTCTGTTA	GTTTGCCTCC
122601	AGGTTGATCC	ATGTTGCTGC	AAAGGACATG	ATCTCATCTT	TTTTTATGGC
122651	TGCATAATAT	TCCACAGTTT	ATTTTCTTAT	TCCAGTCTAT	CGTTGATGGG
122701	CGTTGAGGTT	GATTCCATGT	CTTTGCTATT	GTGAATAGTG	CTACAATGAA
122751	CATATGCATG	CATGTGCTCT	TATGGTAGAA	CGATTTGTAT	TCCTTTGGGT
122801	ATATATACCC	AGTAATGGGA	TTGCTGGGTC	AAATGGTCAT	TCTGCTTTGA

122851 GTTTTATTAT CTAAATAAG AAATTATCTC TGTTTAATAG ATAAAACTA
122901 TTCAGATTAT CTTTTCTTC TTGTGTCGTA AGTTGTGTTT TAAAAAGACT
122951 GTTAACTTCA TATTATCAA TTTATTGGAA AAAACATGTT TATAATGTCA
123001 TCTTAATACT TTCTAATATC TGTGGGAATCT ACAGTGTTGC ACTTTTTTCT
123051 ATTTGTTATC GTTAATCTGT GTTTTTTTCT GATTTTCTTG ATCAGCCTTG
123101 CTAGAAATCT ATTAATGTA TTAGTCTTCA CTGATTTTGT TTCTATTGTT
123151 TATTTCTATT TCATTAATTT CTTCTCTTTT AAAATTTATT TCCTTAAACT
123201 TTCTTTGGTG TGATTTGCTG TTTTTTAAAC TTCTCAAATT GACTTATACG
123251 GTAGATATTA AGTTTTTTTG TAATATATGC ATTTAATACT TTTAATTTTA
123301 CTGTAAGCAC CTTAACTGCA TTCAATGTGT TGATATTTGG TATCTTTATT
123351 AGCATTCCAT TAAAAGTGT TTCTAATTTT TTGTTTGACC TAAGGATTAT
123401 TTAGATGTGT ATTTCTTAGT TTTCAAGCAG TTGGCAATTT TATAGTTTTT
123451 CAATTATCTC TTTTCTCTG TCACTCTGTT ATTCAATGCT AGCACAATTT
123501 TACTGTGGTC TGACTTTGAA GATTTTCAGTC CTTAAATCT GTTGAGGCTT
123551 GCTTTATGGC CCTGTATATT GTCATTTTGT GTAAATGTTT CATGTGCCCT
123601 TGAAAAAATA TTGAATCTG TTATTGTTGG TTGCATTTAC ATCAACTTGC
123651 CAATTATGTC CATTTTGTCA TCGTGTAGAT TTTTCTATC TTTATTGATT
123701 TTTTAAATTC TGTCAGTTCT TGCTTCATAC ACACACACAT GCACATGATG
123751 CACATGCACA CACGCACACA TTATTGGGTG TATATGGATT TAGAATTGTT
123801 TTATATTCCT GGTGGTTTGT TTTATTAATC CACCATCTTA ATCTTAGTAG
123851 TGTTCTTGC CATTTTGGTG TTTGTATGGT TTTTCTATCA ACCTCTCTGT
123901 ATTCCTATAT TTAAAGTTTG TTTTGTGAGC AGAATATACC TTTTTCAG
123951 TCTGATAATT TAGTTTTTTA ATTGGAGTCT TTTCCCTCTT GTGTCATTTG
124001 CCTTATTTTT GTCATGAATT TTTATTCTAC ATAATTTTTA AACACCACAA
124051 GATATTGTTA ATTTTATTTT GTAGAGTTAA TATTCATTTA TGCTTATTTT
124101 TTGGTGCTCT TTATTTCTTC TTGTACTCAT TGTTTTTGTC TGGATCATTT
124151 TTCTCTGTT AGAAAAATTT ATGTCTAGGA TTTAAGAAAT GCTTTCCTGC
124201 TGGAATGAA ATCTCTGTTT TTGCTTGGCT AAAAACATCT TTATTTCTCTC
124251 TTAATTTGAA GGACTGTTTT TTCTGGGTAT AGAAATCTAA CCAGATGCCA
124301 TTTAATAGTC TTGTCAGATAG ATGCAAAAT TATTGATTTT CAAATAATTT
124351 TCATCATTTT TAATATTTAC ATTGATATTG GTATTCTAGT TGATTTCATG
124401 CACTTCTTTC TAACATCTCC CTCTTCTTTC TAGCATTCTT TAATGGAAAC
124451 AGTCTAGGAT TTGGAAAGAT AAATGCCCTA ATTCAAGAGT CAGTTCTACC
124501 ATTTACTACC TATGTGACCT TGGCCAAGTC ATTTAATCTT TCTGAGCCAA
124551 TTTTCAATCT ATAAAAATGG GAAAAATATT ACACGGGCTC TATTTCACTG
124601 GGAAGTTATA AGGGATTGTT GAGATATTGT CAGTGCTTGT TAAATGTAA
124651 AGTACCAGTC AGCTCAGTTG GAAATATTTA GTGTTATTAT TTACTGGAAC
124701 AGAAATATTC TCAGTGACA TATCCAAAAT TCTCTTACAA ATGCACATTT
124751 TCATGAGTAC CCACAAAATA GTTCAATGGT ATTATTCATG TATTTATTTT
124801 TGTCTATCCT TTGTGTGATT AAGGACATTG TTTAAAGTTA CATAAATGT
124851 AACTTACACA AGGTCAATCA CAAGTTTATT TCTTATCTTT CAAGTGACTA
124901 ACATGAAAAA GAAAACCTGG ACAGTTACAT AATTCATAAT GTCCATAAGA
124951 TAAAAATAAT TCATTATTTA GGAGAAGTGC CATTATTTCT TAATACTAAG
125001 CTCAGACAGG AATTTCCCTT TCAGTTTTTT TTTAATGAT GTAGAGTTAT
125051 TTAAAAATAT TTCCGGCTGG TTTAGAGGTT ATTGATTTGC ATGGTTAATC
125101 CAAATCAGTG TTGGACTTAT CTAGAATTTT AATATTCTGT TTCATACTCA
125151 CCATGGGAGA ATTATACATT TTAATGTGGG CTTCAAGTAG CTGCTCTTCC
125201 ACTCCACTTG CAAATGGATT ATATTCAGAG AATAATAAAT AATGCCAGTT
125251 TCCTTTTCAA AATGCTTGG TACACATTAG AGGGAAGGTT AGGCTGCTAA
125301 ATTAATAATTA TATTTTGCAT ATATAAAAT ATCAAATGCT CTTAGGAAGA
125351 TAATATTCAG CTGCATTTTA TGTATTAAAA GCTAATTCAA AAAATCCTTA
125401 CATTAATCAA ATACTAGAA TTCTTACTAT GTGCAGGCAT ACTGTTAACT
125451 CTTGATCTGC TTATTCTTTG ATAAAAAGC TGTCATTGAG ACTTACTTTT
125501 GTGCTTTTAT CTTTCACTTT TTTGGTTTTT TTTTGGTAA ACATGTATTT
125551 AAATGGAAAA AACTGTATG AACTGCAGT TTTAAGTCAA CTACTGATTG
125601 TATGTTTTGTG CCTCAGGCC AATGCCCAA CACATCTGAG GTTTTGTATG
125651 ATGAAAAAAT TAAAAATAGG ATATTTGTTC CTTATTTAAA TTCTTTGACT
125701 TTGTCTTCAG GTCAGTGGCA TGCATTTTGT ATGAGATGTG CTGCATGAAT
125751 CATGCATTCG CTGGCTCCAA TTTCTTATCC ATTGTTTTAA AAATTGTTGA
125801 AGGTGACACA CCTTCTCTCC CTGAGAGATA TCCAAAAGAA CTAAATGCCA
125851 TCATGGAAAG GTATAGAAAT AAACATGTTG TCACAGAAAT AATTTAAAGT
125901 TGTACTTATA TTTTAGTTTA CCTGAAAAAT AATTTTCTGT TTAACATTA
125951 CAGCATGTTG AACAGAATC CTTCAATTAAG ACCATCTGCT ATCGAAATTT

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126001 TAAAAATCCC TTACCTTGAT GAGCAGCTAC AGGTATTTAA AATGAAAGGG
126051 ATTCTGGGAA ACAGGTATGA GCATTGTAT ACACATTCCA TGACTTGAAG
126101 ATATGCACTG GGGATATGAT TCAGTAAGAA TCAACCAGAA AGGAGGAAAA
126151 AGGCCAAAAA GAAGCTGAGA GGCCGAGGCG GATGGATCAC GAGGTCAAGA
126201 GATCGAGACC ATCCTGGCCA ACATAGTGAA ACCCCGTCTC TACTAAAAGT
126251 AAAAAAATAA TTAGCTGGGC GTGGTGGTGC GTGTCTTTAG TCCCAGCTAC
126301 TCAGGAGGCT GAGGCAGGAG GATCACTCGA ACCCAGGAGG TGGAGGTTGC
126351 AGTGAGCCGA GATTGCGCCG CTGCACTCCA GCCTGGCAAC AGAGTGAGAC
126401 TCTGTCTCAA AAATAAATAA ATAAAAATTT TTTAAAGCTG AGAAAAATAG
126451 TAGTCAGGAC AATCTCTTTC CAAAATAAGG TGTGTGTGAA CTCCATTCC
126501 CCAGTGCCAC TAGAGGCTT TAGTTAGGTT TCTGATTTTA TGCCAAAACT
126551 CAACATCCAC CCTTGGAGCT CTGTTGACAG ATCTTACCTG AACACTTTGT
126601 AACTATATCC CTGCAAGGAC AAGAATATGC TAACAGAGGA TGCTAAAATC
126651 TAGGTTTATC ATTGACCATT TATAATTCCA ATCCTTTATT ACATATCTCA
126701 ATAATACTTT TTAATGATTA GCTAGGTTTA TTTTGTTTTC TTGTAAATTA
126751 GGAAATTTGA CATAGAGGCT GTGTCTCAGG TATTAAGAAA GCAGAAAATG
126801 GTCCCTCTT TAGAGGCTT TTGTTTGTTC TTTTAAATAA CTTCTCAGGG
126851 TTTTACAATA CAGGTCCCTG AAGCAAGTTT CCTCTGTAAT TTTATGCGTA
126901 ACTTTAAGAG GAACCACAAA ATGGTCATCC ACTTTAAAAA CTGTGGGTAC
126951 CTTTTCATCA GTGGGCGATG TTCCAAACCC AAAGGAAGCA AAGGTGATAA
127001 ATGATGTGTA CTTATTAGTT GAGTGCTGGG CACTGTGCTG ACACCAGGGG
127051 ATGCCAAAAT GAAAGGAACA GGTATGTTTC CTGTCTTTTC GAAGCTTGAC
127101 TGCTAGTGAG AGAATCCAAT AACCAAGAAA AAGTAAGGAT GTAAATAAAA
127151 TAAGTATATG CCTAGCACTG GGAAGAAAAG ATAATAAACA AACAGGATAC
127201 TGTAATAATA AGGGAGAAAG GAAGGGCTTT GCGGTCAAA GGAATAGGTG
127251 ACATTTCTTT ACCAGTGAGC CAATGGGAAG CAACCAGCCA TGTAAGAGC
127301 CTCAGAAACA GTGTTGAAT CACAGGGAAT AGCTGGCACA GAGAGGTCCT
127351 GATTATGTTG TGCTTGGAG GTAGGTACAA ATGGGAGGGT TCTTATGCAA
127401 GCATATGCTC TCAGGGAAGC CCATGCGGTC ATGGGGAAGG CTAGACAGGA
127451 CAGGGAGGCA GCGTAGGTT TCCTGATACT TCCAGCTCTC CTTCTGTGCA
127501 GGCCAAATGG GATCCAGTAG AACCTGCAGG TGGTCTCTG GAAAGAGCCT
127551 CATATGCTGG TTGTGGGGAT CAAAAACACA CTGAAGAGGC TTTGAGCATT
127601 CAAAAAATAA ATGGGTCAAA AGGTATTCAC AGGGATCTGC TGGGACCAAG
127651 ATGAGGCAAG TGAGGCCCTT GACTCTGGGG CAAAAGTTAA GGGGACACTA
127701 AAATTCATAA TCAAGATAAG TAATATTTTA AAAATCCAGA TTAATGCTTA
127751 AAATCCAGG TAACAAGATA TTAACACTTT AAAGACAGAA TCCAGCAGGG
127801 CCAGGATTAG GGTAGGTTAA GTGAGGTGGA ATTGTGCAAG TTCAGGGTTG
127851 GATCCTATCT TTAAGTTTT GCTATTGTAT TCTTTATAGT TTTTGTGACAT
127901 TAATTTTGAT TTTTAACAAT AATGTTTATT AAAATTATTT ATCTTGCTTA
127951 CTGAGTTTTC TGGTGCCCTC TTAGATTTTG TGCCTGAGGT ATCTCACTTG
128001 CCTAAACCTT GCACTGGCCC TGGGAGTGTA GATACTGTCC TCTACAGTCT
128051 GGGAGGTTGG AAAAGCTTG TGTCTTCTTG TAGCTGAAAG TAGGCCTGCC
128101 CATGATTGGC AAAAGGGAGT GAGAGAGCAA GCAGTGCAAG ATGAAGCTGG
128151 AGAGACAGGC AGGAGCCTGA CCCTGCAAGA TCTTCTTGGG AAAGCTACAT
128201 GTAATTTTAC ATAACCAGG GAAACTAGC ATGCTTTGTT CTCAGGCTCC
128251 CTGCCATGGT CAAAAGCACC CCAAATCTGA AAAGATTCTT GGTAATTTAT
128301 TCCCTTTTCAT CCCTAAAGAG GAGCCTTTAA GATATGTCAG GGTGATCTT
128351 TTTTTCAGAA CCTAATGTGT AGATATTCAG AAATGACTCT GGAAGACAAA
128401 AATTTGGATT GTCAGAAGGA GGCTGCTCAT ATAATTAATG CCATGTAAGT
128451 AATTGCTTTG TTTTAAAAA GCCCATCGAG TGTAAATGTT AAATGTATTT
128501 GTCTTTAAAA ATCTATTAGC ACTAACTGA CTGCATCGAG TATCCTAGAA
128551 TTCATTAAAG TCTTGCCAAG AAATTAAGGA GCTTCAGGAA CTTGGTGTTC
128601 CAAAGCCCTT TACCCAGGT GGTAGCAAAT TGAAATCATG AAAGTTTAAA
128651 CCACTGCACA GCTTACAGAT CTGCAGGGTA GCTCTGCAGT TGCCTTGCAA
128701 GGATATAGAG AAGTTAATAT CTCAAATATT TAGTAACATT TATGCTAATG
128751 AGCCTTCCAT AATAACCATA AATGGCTTTC ACATGTTGTT TGTTTAATGT
128801 GAACTGGCAG AGTATCTATT GACAAGAAAA CATTGTGGAG TCCTGAGACA
128851 ATTGAAAATA AGCCGAAATT CACTTCTTTC AAATATACAT TCCTTCACAT
128901 AAGAACTAAA CATTGTATTC CCCAAAGAAA CATAATTATT TCCTGATCTA
128951 ACTTCTCTCT CCTACCTCGT TCAAAATTTT TGTCTATATA CTTGCAAGAA
129001 CCCAGAATAC TAGGTTCTTA TGTCTGGAT TTTTGCATAG TTTTACAGTC
129051 ATGCACAACAT ATGGTATACA GGAGGTGTGC AGGACAGTGG GATGAAAACA
129101 GAAGCCCTCA ATAGGCTGAT CTAGCACAAA TATACTCCTC CAACACCCAG

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129151 TCCAATGTTT CTCAACGCTA CCATGTTTGC TTTCCATCCT CACTTTCAAA
129201 CTGAGGAAAT TTGCATGATC TCCAGTTAAG ATACACTATA TACCACAGGG
129251 GGTAAATTTT TAGACGTGTT CTTAATAACC TTGTTTTTAT GGTTTATTAC
129301 CTGCTATTTC AAGAAACGTC GAAATTTCCA ATTGTATTTT ATTAAGTAGA
129351 GATGTAAGAG TAGTAGATAT TTTTAAATA CTGGACTAGT TTTAGCTATT
129401 ATTTTGTACT GTAGTTATAA AACTGACACT GTTTACAATT AACAGTGTTT
129451 TAGAATCCAG TTGTTTGGAG GGTATTTTAC ATTATGAAAT ATTGACTTCA
129501 GATGGTCACT GCTATTTTCG AGATCTATGA CTATGTTTCA AGGAGATCCA
129551 TTGGTCTGAC AAAATAAGAG ATGTATATTC CTGAAAATTG CATGTCTCTT
129601 GGAGTCTGTT GTCTGGATGG TATCAGAGAG GTATTAGAAC TGTCCTCAGA
129651 GGTCAATTACA ATTTTCTCAT AGTGTGTGTC AAGGAAAGAG TTGGGTGTGA
129701 AAGGTCTTCT ATAGTATTGG GTCCTAACCA AGTCAGGAAG AGAAGCAAAT
129751 GCCATTGAGA ATGTGGTTGG AGTTCTTTCA ATGTGCCTTC CCTCTGAAGA
129801 CTTTTAGAAG TGTGCCAGTC ATCCCTGTCT ATCTGGCTGC CTCTAGTCGG
129851 CCATCTTGCC CCTTCCCTCA TGCTAAATTT TATTGATTGT GTCTTCTATT
129901 CCAGGCTTAA TACAGTAGAT ATTTTTTGCT GAGGTATGGT GTAGTGGTTA
129951 ATTCACACAGA TAATAACACA TCTCTCAATT CAAATTTCTAG TTCCCAGGTA
130001 ATACTCTGTA TTACTTTGGA CAAGTTACTT AACCTCTCTA TGACTATAAA
130051 AAAAAGTACC TACTTCATAG AGTTGCTCTG CATTTAAGTG AGTTAATTCA
130101 TGTAAAGTGC TTACAAGCAT GGGGTATTAT CCTGCTAAAA TGTTAGCCAA
130151 TGTGATTATT TAGCCTCTTT TTCAGTTAAG GAAATATGCT TAACATTAAT
130201 CATACATTGA AAGATGTTTA TGTGCTGGTT GTTGGGATCG AAAACACTGA
130251 AGAGGCTGTG AGCATTCCAC AAAAAAATA AAAAAGTCAA AAGGTATTCA
130301 CAGGGATCTG CTGGGAGGAG GATGAGGCAA GTGAGGCCCT TGACCCCTGTG
130351 GCAAAATTTT AATGGGACAC CAAAACCTCAG AATCAAGATC AAATTTTAAT
130401 GCAATATTGT AAAATTCCAA ATTAATGCTT AAAATCCCTG GTAACAAAAT
130451 ATTAAAAGTT TAAAGACAGA GTCCAGCAGG GCCAGGATCA GGTGAGGCAA
130501 GTGAGGTGGA ATTGTGTAAG TTCAGGGTAG GATCCTGTCC TTAATAATTTT
130551 GCTATTGTAT TCTTTATGGC TTTTGTACAT TAATTTTGAC TTTTAAAT
130601 AATTTTCTAT AAAATTATCT TGGTTACTGA ATTTTTTTGG TGCCCCCTTA
130651 GATTTTGC GC CTGAGGTATC TCACTAGCCT AAACCTTG TG TGCCCTGG
130701 GAGTGTGATC ATTGTCCATT ACAGTCTGGG CGGTGGGAAA AAGTTTGTGT
130751 ATTCTGAAC ACAGAGTGTG TTATTAATCT GTGCGATTAA CCACTACACC
130801 ATGCTGCAAC AAAAATATCT ACTGTATTAA GCCTGGAATA GAAACATAG
130851 TCAATAAAAT TTAGCATGAG GTAGGGGACA AGATGCCCTA CCTCTAGTTG
130901 GCTAGATGCA GCCAGGTGAG CCAGGTGGAA CAGCTGCCAC TGAGGGACCA
130951 GGATGACTGG CACACTCCTA ACAGATCTTC AGAGGAAACA ACTGAGAGTG
131001 GTTGGAGAGA AGACACAGAA GCTGGGCTGA AGGGGGAGGA AGGTGGGAAT
131051 CCTGTATGGG GCCACTGTAC ACCTGTGCAC CGGGACCTCC AGTGACGCTG
131101 GGGGAATGGG TGAGTTGAAC TGGCAGAGAG CAACCTATTC TTGCCACAGG
131151 CCTCTGGAAT CCTGGCTGGA GGACACCCCT TGACTACCAG GGACACTTGA
131201 GTTGGTAGGG AGAGCTGCTT AGAGAAGTGG TAGGGGCAGC ACACCAGCTG
131251 ATGTGAAGTC CAGAGGGTTT GGTGCTTGAG TGTCTGCAGC AGAGCATGGC
131301 CAGGGAGACC ATCCCCCTAG GCTTGACTTG CTCCCATGGG AGGCTTTAGA
131351 CCCAGGGGAA CTGTCAGACT TGAACCTGTC AGGCAGTCTT ACCCATCAGA
131401 GGGGGCTGAT CTGACCTGAG CACCCCTTGA TCTTCTGGCC TCTCCTGAGG
131451 CCCAGCCTGG CCATGCCTGC TTGCAGTGCA GCCACAGGTG TCTTGGGGGT
131501 CTACATCATA GCTCCCGTAC TGCTGAGGAA TCATGCCTGA CTGGAGGAGA
131551 GATCCAGTAG GGAGGCCTGA TCCTTCCCCT AACTGCAGCT TCCTCAGGCT
131601 CACAGCCACC ACCCTCCCCA TGTGCTTTT CTGGCATCTA TATACATGGG
131651 CAGATTTTGA CTTTCTGCTG CTGCCAGCGT GCATGTGCAT GCACACTGCC
131701 CTGCTACTGC TGCTGACAGG AGTGTATCCC ACCTCACCTC CCCTGCCATT
131751 GCAATCAGAG CCTTGGCGGG CACAGAGACA GCCAGCCCTG GCCCTACCAG
131801 CACCCTGCCC CTGTACCAAC ACTGCTGCTA GAGTGAAACT AGGTGCAGAG
131851 AACAGCGGAC CCTTCCCTGC CCTGAGTGGC CACCCCTACC TGTGTCAGCA
131901 TGCACAGAGG TTGCACAGAG ACCTATGCCC ACAAGTGCTG CACCCTGTGC
131951 TAACACCACC ACCAGCAGGA CCACATGCAC AGTTGCCAGT GGAGGGCCCC
132001 GGCTCCCTGA GCCATTCTGT CTCTGCTGCT GCTGTGAATG CCCACAAGGA
132051 GACAGGCACC CTGACACCTG CTAGACCCTT TCCACAGCTG ACAAGTCTGC
132101 ACCCTCCAC ACTGCCACTC CACCACCACT GCCGCTGCTG GCACATGCAA
132151 GCAAGGATGG ATCTGCTGCC ACCATCCTAC AAAATGGTAT GGCTGGCACC
132201 ATCCATCAGA GTGTAGTGAC CAGCTGTCCA GGAGCACATT GGCCCCCCA
132251 GCGCAATGAG TTGACGACCT TGAGGAGCCA GAGAGCAAAA TTGGGGCCCA

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132301	GTACAAGTCT	CCCAGAGTTA	GAGCACACAG	CCCAGGAGCT	GGGAGCTGAG
132351	CACTGGCTGC	CTAAAATTTT	CCAGAAACAA	AACCAGTCTA	CTGAATCCAC
132401	CTTATAACAC	AATCAAACCC	TCAAAGTTAT	CAAGTAGAAT	AAAAGGAAAA
132451	AACATCCAAA	GGATAGCATC	TTCAAAGATT	GAAGGAACTT	CAGCCCACAA
132501	AGATGAGATA	GAGCCAGTGC	AAGAAGTTCC	AGAAGTCAAA	AAACCAGACT
132551	GCCTTCTTTC	CTCCAGGTGA	CCACAGTACC	TCGGTAGCAA	GGGTTCTGAG
132601	ACAGACTGAG	AAGGCTGAAA	TGACAGAAAT	AGAATTCTGA	ATATTAATAG
132651	GAATGAAGAT	CATTGAGATG	CAGGAGCACA	TTCAAACACA	ATCCAAGGAA
132701	GCTAAGAAAC	ATAATAAAAT	GATACAGGAG	CTGACAGAAA	AATAGCTAGT
132751	ATAGAAAAGA	ATGTAAGTGA	CCTGATTGAG	CTGAAAACCA	CACTGTAAAG
132801	ATTTCAGGCG	GGGCCCAGTG	GCTCATGCCT	ATAATCCCAG	CACTTTGGGA
132851	GGCTGAGGTG	GGTGGATCAT	TTGAGGTCAG	GAGTTTGAGA	CCAGCTTGCG
132901	CAACATGGGG	AAACCCCATC	TTACAAAAAA	TACAAAAGTT	AGCCAGTGTG
132951	AGTGGTATGT	GCCTGTAATC	CCAGTTACCA	AGGAGGCTGT	GGCAGGAGAA
133001	TCGCTTGAAC	CTGGGAGGCG	GAGGTTGCAG	TGAGCTGAGA	CAGCACCATT
133051	GCACTCCAGC	CTGGATGATG	GAATGAGACT	CCATCTCCAA	AAAAAAAAGA
133101	ATGCAATCTC	AAGTATTAGC	ATCAGAATGG	ACCTAGCTGA	GGAAAGAATC
133151	TCAGAGCTTG	AAGACTGGTT	TTCTGAAATA	AGACAGTCTG	GGAGAAATAG
133201	AGAAAAGGGA	ATGAATAAAA	CCTCCAAGAA	ATATGGGATT	ATGTAAAAGA
133251	GGTCAAATCA	TGTCCTTGAA	AGAGGTGGGG	AAAAATTGAAG	CAATTTGGAA
133301	AACACAGAAA	TACATTGCAT	AGAAACATAG	AAATTTTCATC	CATAAGAACT
133351	TCCCCAACCT	AGCTAAAGAG	GTCAACACTC	AAATTTCAGAA	AATGCAGAGA
133401	GCCTCAGTAA	GATACTTCAC	AAGAAGATCA	TCCCCCAGGA	CACATAATCG
133451	TGAGGTTTTT	CAAGGTCAAA	ATGAAAGAAA	AAATTTTAA	GGCAGTTGGA
133501	GAGAAAGGTC	AGGTCACATA	CAAGGGGAAG	CCCATCAAC	TAACAGCAGA
133551	TGTTCTCAGCT	GAAACCTTAC	AAGCCAGAAG	AGATTGGGGG	CCAACATTCA
133601	ACATTCTTAA	AGAAAAAGAA	TTCTAACCCA	GAATTTTCATA	TCTTGCCAAA
133651	ATAAGCTTCA	TAAGCGAAGG	AGAAATAAGA	TCCTTTTCAG	ACAAGCAAAT
133701	ACTGAGGGAA	TTGTTACTAC	CAGACCTGCC	TTATAAGACC	TCCTGAAGGA
133751	AGCACTAAAT	ATAGAAAGGA	AAGACCATT	CCAGCCACTA	CTGGTACACA
133801	CTGAAGTACA	CAGACTCTAA	GTGCACTAT	AGAGCAACCA	TACAAACAAG
133851	TCTGCATAAT	AACCAGATAA	GATCATGATG	CAGGATTAA	ATCCACACAG
133901	ATCAATCCTA	ATCTTGAATG	TAAACAGACG	AAATGCCACA	ATTAAAAGGC
133951	ACAGTGTGCA	GTTGGATAAA	GAAGCAAGGC	CCAATATAT	GCTGTCTTTG
134001	AGACCCATCT	CACATACAAT	GGCACACATA	GGCTCAAAGT	GAAGGATGGA
134051	GAAAAATCTA	CCAAGCAAA	GGAAATATAG	AAAAAGCAGG	GGTTGCTGTT
134101	CTAATTTCAA	ACCAACACAG	CTTTATACCA	ACAATAATCA	AAAAACAAGA
134151	AGAGCAATFAC	ATAATAGTAA	AGGTTTCAAT	TCACAAGAA	GATCTAACTA
134201	TCCGAAATAT	ACATGCACCC	AATACAGGAG	CACCCAGATT	CATAGGGCAA
134251	GTTCTCAGAA	AGCTTTACAC	CAGTCAGAAT	GGTGGATCAT	GAGGTCAAGA
134301	GATCGAGACC	ATCCTGGCCA	ACACGTTGAA	ACCCCGTCTC	TACTAAAAAG
134351	ACAAAAATTA	GCTGGGCGTG	GTAGCGTGTG	CCTGTAGTCC	CAGCTACTCA
134401	GGAGGCTGAG	GTTGGAGTGA	GCCCAAAATCG	TGCCACCGCA	CTGCAGCCTG
134451	GCAACAGAGG	AGAGCTCCAT	CTCNAAAAAA	AAAAAAAATA	GAAAAAAAATA
134501	GTCAAAAAAT	AGATGCTTGT	GAGGTTGCAG	AGAAAAAGGA	ACACTCATAC
134551	ACCATTGGTG	GAAGTGTAAT	TTAGTTCAAC	CATTGTGGAA	AACAGTGTGG
134601	CGATTCCCTA	AAGACCTAAA	AATAGAATAC	CATTTGACCC	AGCAATTCCA
134651	TTACTGGATA	TATACCTAAA	GGAATATAAA	TCATTCTATC	ATAAAGACAC
134701	ATGCACGCAT	ATGTTTCATTG	CAGCATTGTT	CACAATAGCA	AAGACATGGA
134751	ATCAACCTAA	ATGCCCATCC	ATGGTACAT	AGATAAGAA	AATGTGGTAC
134801	TTTACACCA	TGGGATACTA	CACAGCCATA	AAAATAACAA	GATCATGTCC
134851	TTTGCAGCAA	CATAGACAGA	GCTGGAGGCC	ATTATCCTTA	GCAAAGTAAT
134901	GCATGACCAG	AAAACCAAAT	AATGCATGTT	CTCACTTATA	AGTGGGAGCT
134951	AAATGATGAG	AACACATGGA	CACATAGAGG	GGAAACAACG	AACTGGAAT
135001	TTTTTCAGAG	GTGGAGGGTG	GGAGGAGGGA	GAGGATCAGG	AAAAATAACT
135051	AATGGGTACT	AGGCTTAATA	CGTGGGTGAC	AAAATAATCT	GTACAACAAA
135101	CCCTATCAC	TTGAGTTTAC	CTATATAACA	AACCTGCACA	TGCATCCCTG
135151	AACTTTAAAT	AAAAGTTAAA	AAATAAAAAA	ATAAGATTTA	GCTATTAAAA
135201	TACTAGCATT	TTGGAATACT	TTTTATGTGC	TAGGCACTGT	GCATATGTTA
135251	TCTCATATGA	TACTTACTGT	AGCCCATTCT	TTACAGATGA	GAAAGCTGAG
135301	ATTCAGGGAG	GTTCAAGTTA	TTGCCCCAAG	CCACAGAGCT	AATGAGTGGT
135351	GGAGGTGGGA	TTCGAACCCT	GCCTAACTCT	AAAGATTATG	TGTTTATGCT
135401	ACATGGGTGGA	ATTACTGGGC	CAGTCTATTT	ACTCTTTAAT	GGCCAAGATC

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135451 CTAATTTGTT TTACATTATG AAAACTAGTC ATTGGCGATG AAATGAGCAG
135501 GAATTTGGAA AGTAAATAAT TTCCTTTAAA CAAAAATCTA ATTTGAAAAA
135551 TGTGCTTAT TAACACAGT CCTGGTTGGC TCATTACATA CCCAAAGCTT
135601 ATTAGTTTTT GCCTGGCCTG TCTCAAGATG CTTTGTCTCT CAGTAGTGTA
135651 GTGATACTTT TATAAAATAT TTGTTTAATT TTTCTGAACA TGTTTGGGAT
135701 GGGCTATATG AGGGGAATCT TTGTTATTTA TAGGCAAAAA AGGATCCACC
135751 TGCACTACTT GAGGGCACTG TCAGAAGTAC AGAAAATGAC GCCAAGAGAA
135801 AGGATGCGGC TGAGGAAGCT CCAGGCGGCT GATGAGAAAAG CCAGGAAGCT
135851 GAAGTAAGCT GCTTTTCCTT TAGGCACTCA TGCTCGGGAC TACTTCTCAG
135901 GGCTCTCAGG GAATTTACAG AGAAAAGCAA AAACCAAAAC AGGAAACCCC
135951 AATGCATACG ATTATGTATT TATGTGTTTA TTCATTCACT TGTTCACTCC
136001 AAGATGATTA TTGAGCCATA GATTGAATGT CAGGTGCTAT TAATATCAGG
136051 CTTTCAGTCT TGTGTGAAGG GAAAGATTAA CTATTGGGA GGTATTAGT
136101 GATGAAAATA GGGTCAGTTT CCAAACGAAA TCTCATGTGT GTTGACAGCT
136151 TCTGCACATA CCCAGCAGG AGACATCACT GTTTCACCCG GATTCCCTAG
136201 GTGCTTGCTG CGTACCTTCT ACCAGGAGAC CTCACTTATT TATAGGAAGG
136251 AGACTTTATT GGCAGGAAAT TGTTAGCTTT TGGAAAGAGT AGACTGGAAA
136301 CAGAGCTCTG TTCTGTCAAG TGAAGCATTT AGAAAAGTCT ATGCTCAGGG
136351 CGATGTTGCT GGTGGGAGAT ATCACTAGTA ATTAGAGTAT TTACATGAAA
136401 AAGTGAAATT TCAGGTGTTA GCCAGGATGT AGAGAAAAGG GAACCCCTGT
136451 GCAGTAGTGG TGAGAATGTA AATCAGTACA GCCATTATGG AAAAAATAGCA
136501 TGAAGATTCC TCTAAACATT AAAAAATAGA ACTACCATAT GATCTGGCAA
136551 TCCTACATTT GGACTTATAT CCAAAGAAAA TGAAATCAGT ATATAGAAAA
136601 GATACTTATA CTCCAATGTT CATTGCAGAA TTATTACAG TAGCCGAGAT
136651 ATGGACTCAA CCTACGTATC CATCAACAGA TAAGGGGATA AATAAAATGT
136701 GGTATAAATA CACACAATGG AGTACTATTT AGCCTAAAAA AGAAGGGAAT
136751 CCCATCATTT GCAACAACAT GGATGAACCT GGAGGACATT ATGTTAAGAG
136801 AAATAAGCCA GGCATAGAAA GACAAATACT GCATGATATC ACTTATATAT
136851 GGAATCTTAA AAAGTTAAAT TCACAAAAGG GGAGAGTAGA ATGGGGTTAC
136901 TAGGGGACGG GGGGCATGAA TGGGGAAATG TTGTCAAAAG GTAAAAAGTT
136951 TCAGACAGGA GAAATAAGTT CTGGAGATCT ATTGTACAGC ATGGTGACTG
137001 TAATTAATAA CAATGTTTTG TATTTTTGAA AATTGCTAAC AGAGTAGAGC
137051 TTGATTTAAT TATCCCACAA TGTATACATA TATAAAAACA TCACACAGTA
137101 TATATAAATC TAAACATTTT TTGTCAATTA AATTTTAATA AAGCTGAAAA
137151 AATACATGTA TAAAAATGGA ATTTCAAAGA GGCTTAGAGC CTCATTTCT
137201 GAAAGACTGA TTTATGTGTT GGTAGTTAT CAAATTTCCA AATTTTCTT
137251 ATTTTTTCTT CCTCTGCCAA TATTTTGGTA GTTTAGGAGC CCCAATCAAG
137301 AACTAGAGAG ACAGAAAGAA CCTGAACACA AATCTACGCA TTTTGTCCC
137351 TTGTTAATTT ATCCAAAAAA TGATTTAGAG GTGTCCTTGT ACTTAGAATG
137401 AATATCACGA TAAGCCAAGT AAGAATCTAT GAGTCTATTT TCCCGTAACA
137451 TTTGCTTTCT TTAATAAATT GGTAGAGAAA GATTTCCATG AAAGTACATT
137501 GTGAGCAGTG GTGTGCTGGT AAATATTTAA CAACCAGCTC TGGGTTTGAA
137551 GGGGACTGCT TATTGTGTTG CTGATTTCTG TGATATAAAT ACTTCCACTG
137601 TGGCCAATAT CAAGCTAACA ATATGATACC ATTTAATATT CAGTTGGGAA
137651 GATATTTACA CAATCTGCTC TTGAGCCAAT ACAAGTTGGA TTCTGCAAAC
137701 CACTATGACA TTGAGTGTGA GTTTTACTGG GAAAATATAT TCACATAAAT
137751 TGCTTGAGCC ATTGCATCAG CTCACAGCCC CAAATCTGTT CGTAATACCT
137801 CAGAAATGGT GATATTTCCA AGGTGCCATG ATTCGTGTCA TTGGCTGGGG
137851 GTAAAAGGAA AATTAAATCT CTGATAGGAA CAGATTAAAA AGGCAAAATT
137901 AATAACATAT ACAGATTACA AAATACATTA AAAGTGTTTT TTAATACAAA
137951 GAAGTCACAT ATCTTTCACA TGATACACTA ATATATTTT CTTATTTGAA
138001 AGTAATGGTT TTAAATAAAG TTTGGTCTTG ATTTTGTGAA TAAGTTGTAT
138051 TGGAATTGTT TCTAGTTGTT GATTATAGAA TCAAGGGGGA TCATGTGTTT
138101 TAGCTAGAAA ATGACTCTAT TGTCAGAAGA ATTATAATGT ACCCGTTTTA
138151 GAGACAAGGG AGTTTGACTA GAAGGGTGT CAGTGATGAA AACCTGAGTA
138201 TAAATTAGCC CACAAGTAAT CATAAGAACT CAAATCTTTC TTCCAGTTTA
138251 GTAGCAGGTC GCTTAACTC ACTCTCCTGT AATAGAGAAA ACAAAGTAAA
138301 TGTGTCTAGA AAAATTCCCC TCGCAATGA CTCCAGATA TTTCTCATA
138351 AATCCTTTGA TATGTAGCTC TAGTTTACT TTTTATGGGT TTGTTTCATC
138401 TGAAAGCAGT TTTTGTGTTA TTAGTATGTG TTAGGCACTG TGCTAGGCAT
138451 TGGGAACACA TAGCCCTGTC ATTGCACTTG GAGAACTCAC AGAGAGGAGC
138501 ACTGCCTTCT CCTGTGCTG CATTTTGGGA TTTGTAAGGG TGAATAAGGA
138551 ACCAGAGTAT CTTGTGTGTG CTTTAAAGA GAATCAGCCG GGTGCTGCAC

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138601 CACATTCACC TTGATGAGGA AGAGACCTGA TGGCCTGGCT TTCTAATCCC
138651 CCAGTCAGTC TGTTGAAATA AGGATCACAC TCATCTGTAT AATATAGACA
138701 TGGTTTTAGC AATTCGCAGT TATTTTTCTA CATTCACTTT AAATTTACAG
138751 AAAGATTGTG GAAGAAAAAT ATGAAGAAAA TAGCAAACGA ATGCAAGAAT
138801 TGAGATCTCG GAACTTTCAG CAGCTGAGTG TTGATGTACT CCATGTAAGT
138851 ACCCTCTTAT TTTAAATTTT ACATAAAAAAT TTTTCTTGCT TTAGATTCAT
138901 GCGGATGATT GGGTAGGAAA AGGGACAAGG GAGAAAACAA GAACATCCAG
138951 ATTAACCTCA CCCAATTCCA GGAAGGATTC TAGAATGTAG GTCAACAGCT
139001 GGTGACAACG ATTCAAAGCG GCTGTAGCGA GAGGTGGATC AATTGATCCA
139051 TTTAACAAAA ATCAAGCTCC TACTCTGTAC AAGACAAC TG AATTGGCACT
139101 GAATGCATAA CTGATGGGTT AAAATGATTA GCTGACAGAA CAAATGTGTG
139151 TATATCTAAT TTTTAATTCC ACCCATGCTA TTGTTGCTTT ACCTCTTTAG
139201 TACATTGTTC TCTTTGTCTG GTTTTTATTC TTTTCCTTTT TATTTTGT
139251 CCTACCCATT TTGTTGTACA TTGTGTTAAT AATTTTCATT AAATTTTAAC
139301 TGTCATAGAT GTTCAATAAT GAATAGAGTT GCAGATTCAC ATGAAATGAC
139351 CCCAAATTC TGTCTCGGC ATTCCAAATC TGTAAATAGC AAACACCATT
139401 TTCTCTAATG GTTGACAATA TCTCCACAGG CCTTGGGTAG GCTCTGATTA
139451 ATAAGGTGGT CTTTACAACG TCAAATTTGG GCAATAGACA TCAATACCAA
139501 CCTCATAGCA CTTCAAGTAA AAGCAACTTG GGATGAAGCC ATTTTATAG
139551 AGAACTTCTA CTGTCTCAAA TTCTGATTTT TATTCACGGA GATCCCTGCA
139601 TGTGAGAGAT TCTCTCCTTT AGCAGGAAGC ACCAAGCTCC CTGAGGCTGT
139651 GGGGACAATC CCCCAAGCCC CAGGGATGCT AATTCTGTTG TAGCTTAGTT
139701 ATCAGATGGC TCCAAGCCCT GGGGCATGCA GGAGACCTCA CCCTCAGCCA
139751 GACAGGGCCC CTCTTTAAGG GGGAGATCTG CCAGTAATGC ATCTTTCTCA
139801 ATTATTTAGG GGTCTGTGT GCTTTGGAGT TCTAAAAATC CCAAGTGGGG
139851 ACCAATAAGA GGCCTAGCTT CCTCTAATTT CAGGAGTCTT CCTCTGTTTG
139901 ATGGACCAGT TAGCAGACAA TGTGGGGATG ATGGTAATAT GTGCTCAATT
139951 CCATCCCCCT TTTCCCACCC CTCTGACACA CCATTTAAGT GAAGGCCCCC
140001 TGTGGGATCT GTTGCAAGCT ACAGAGAATT GGGAGATGGG TTCTTTCTTG
140051 CTCAGGGAAC TTGGCGAGTG AAGAACCTGC TGACTGAAAG GCCATGGGGT
140101 CAACAATAGG GCTGGATCCC TAGTTGGAGA AAGGTCTTGA TGCCACCACT
140151 ATGGAAGGAC TCAAGCCCCC TCTGAAAAT GGGTGCATTT CTTCAAGCTTC
140201 CCACACACTT CTAGGCCCTG CAAATGATAG CCTGTTAAGG TGGCTCTTCT
140251 TCTCTGGTGC AGTCTGCTTT GTCCCCCTGC AGTGCTGAGA ACTGCACATT
140301 CCCACAAATC CTGACAAGGA GGCTGACAGA ATTATAAGAA TTCCGAGTTT
140351 GTTAATGTGT AAAGTACTTG TTTATTACAG TATAGAAATG GGGACATACT
140401 TTTCTAGAAT GCTCAGAGAT GTTGATTTTC TTATAAGTCC TCTGCTAATT
140451 CATATGCTGC TGGTCTGATT CCTATGTACA CTCTGATTAA TAATGAATAG
140501 AAAATGGGCC TCCTGAAAGC AGTACTTCAC CTCAGATGAG GGAAGACTTG
140551 GAAAACCACT GCTCAGCAGA CCTTGTCTCA ATCTCTTCAG GGTCTTGTCT
140601 TCCTCTTATA AATCAGGGAT CACTGATTCT AAGGGATTTT CCCCCAAGA
140651 TTGAAAATTA AGAAGTACAG GCATGGTATT ATTTTGTCTT TTAATACTA
140701 AATGACTTCA TTCTTGAAGT TACCATATGG CAAAAAAGAA ATGTAGTTTC
140751 AAGTATGAGC TTAATATTA GTGTCTGATA ATTTACTTAC CTTTTTTGCT
140801 TTTCTTCTTT GACCCTTCAA GATCACCATG TTTGTGTTCT TTTTATTGG
140851 ATGGAATTAT TATTGGTGTT ATAACATATC TCTATGAGGT CTTGTCTTCC
140901 TCTTATAAAT CAAGGTCCTT TGGGGGCCCT GAAGTAAC TG AAGATAAGCC
140951 TGAGACCATA TGGCAGGAG CATCCCCAAA AATGTTCTTA TGCATATATT
141001 ACTCCACAGA ACATGGGAGC TAGACACAAA GTTCTGATCT TGGCCCAACT
141051 CAGATGAAGA AAGAGAGGAT TTCACAAGGA TCCTATGAAC TCCCAACTCA
141101 TCACTTCCCC AGTGACTTCC CATTTTCATC CCCTTCCCAT CAGCAAGGAG
141151 CAAAGGGAGC AGGAGGGGAA GCGACCGATG CTGATGCTGT TCTGGACAAA
141201 GACTGTGGTT TATTCTTTGA TCTCTGAGA TTAGTGCCAC CACTGTCTTT
141251 GGCCCTGAGC TTTCCAGAAG CATGTTTCCT ATGTTTATAT ATTGATGGGG
141301 GCAGAAATGC TCCAGGCAGA TAGATGGCTG TTGAGTCTGT TCTGTTTGAA
141351 CACTGTGTCC TCTTGCCAGC TGGTTCAGGC CCACAGACTG GATGGCTCAG
141401 CATCGCCAGG CATCCTGCCC TCTTTTGTGC AGTCACATCA GTCATTTCCC
141451 TCTGGCACAT TGTCAGCATC CCATCTCTCT TTCAATTGTT TTCAGGAAAA
141501 CCTTGTGAGC CCACTTGGGT CCACAATCAA TGGACCCTCC TCCAAATTCT
141551 TATGGCTTAT AGTATTCTCA AACTTGAAAT GCACCTTGAT TGCCTATGAA
141601 TCTTGTTAAG ATGCAGATTC TGATTCAATT AGTCCAGGGT GCAGCCTGAG
141651 ATGTTGCATT TCTTTTTTTT TTTATTTTTT TTTATTTTTT TTTTTTTGAG
141701 ACGGAGTCTC GCTCTGTGCG CCAGGCTGGA GTGCAGTGGC GGGATCTCGG

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141751	CTCACTGCAA	GCTCCGCGCTC	CCGGGTTTAC	GCCATTCTCC	TGCGCTCAGCC
141801	TCCCAAGTAG	CTGGGACTAC	AGGCGCCCCG	CACTACGCC	GGCTAATTTT
141851	TTGTATTTTT	AGTAGAGACG	GGGTTTCACC	GTTTTAGCCA	GGATGGTCTC
141901	GATCTCCTGA	CCTCGTGATC	CGCCCGCCTC	GGCCTCCCAA	AGTGTCTGGGA
141951	TTACAGGCGT	GAGCCACCGC	GCCCGGCCGA	TGTTGCATT	CTTATAATCC
142001	CTCTGCTAAT	TCCTATGCTG	CTGGTCTGTT	TCCATGTGAT	ACCTTGATTA
142051	ATATGTAATA	GAAATGGGC	CTCCTGAAAG	CAGCACTTCA	CCTCTAGATG
142101	AAGAAAGACT	TGGAAAACCA	CTGCTGAACA	GACTTTGTCA	TAATCTCTTT
142151	AGGAAAAAAC	ACATTTAAAA	GGAATGGAAG	AAAAGGAGGA	GCAACCTGAG
142201	GGAGACTTTT	CTTGTTTACC	CCAGGACGAG	GATGAAGAGA	GGTGGCAAGG
142251	CAGGGAAGAG	GCAAGTTTAA	TCATATTAC	AAGCACAAAA	GTGAGGCAGG
142301	TTTAATGATA	TCCGAGAAC	AAAGGGGAAA	GAAATTGGGA	AGCCGAACAC
142351	TTTGACGAGG	AGCTGAAGG	GGTTTAAATG	TAGCAGGAAA	AAGCTTCATT
142401	GAGCTGAAAA	AGATGAAATA	AATATAGGAA	AGAAATTAGA	TTAATCAGAT
142451	GCAAGAGGCT	AAAGAAAAAT	GTGATAAGGA	GAAGAGGAAG	AGGAAACTGC
142501	TCCCATCTTT	GAGTGCTTTC	CTCCCCCTTG	CCCATATACA	TGTTTTATGAT
142551	TTAATTTCTT	GCTAATCTCA	TTGGGGCTCT	GTTCTCTATT	CCTTTTTGCA
142601	TCTCTCTTGC	CTGGTGGAAG	CAAGCTACTT	TATATTCTAA	AAGCACTTAC
142651	AGGAGAGAAT	CAGGTATTATG	GGAGAGAATG	GGTCTTATGT	CGCCTCTCAA
142701	ACATGTTATA	AAAATTATTT	GAGGCATGTA	GAGAGAGTGG	CTTGCTTTGT
142751	TTTTCAGACC	CTAGCTGACA	AGGCCTTTTA	TTTTAGCAGG	CATTTTCTGC
142801	TTGGCTGAAT	TTGGGCTTTG	AAATCTTGAA	GCACCATCGA	ATGTGGAATC
142851	ATGTTAGGCA	CTGTTTCTCT	AAAGAATCAC	AGCTTAAAC	AGTTGGATAC
142901	CATAATACAT	AAGCAGGCT	AGGTCTGTCT	TTGATCCTGT	GGCATATACA
142951	GTTTGTCTGG	GGCTAAAGTT	AGGTCTCTGT	GAAAAGTACA	TAGCAGATCA
143001	GGTCTCCATA	CGTGGAGAGG	TAATGGGGAT	CAAGATCAG	ACCATGTCCT
143051	TCTCTTTCTA	AGAGAAGCAA	TTATAACAAT	TCTATCTTTC	TCTTCAAAGA
143101	GAAACTCAGC	AAATCAAAGT	TAATTGAGAG	TCCAAATACA	TACTTATTTT
143151	CAAATATTTT	CTGAAGTGCA	CGTAAAGACG	TATTTTCATGT	ACTCTCTGTT
143201	CTTTATCTGT	AAAGTTCTCT	GTGTGCTCTC	AGTGATCTTT	TGAAATCTGG
143251	AACCAATTTT	GCCTCCTGAA	ACAATTATTA	TGCGGTACAG	AAAACCTGACT
143301	TCTTAAAAAC	ACTTTATGAT	GATATTCTCA	CAAAATACCG	ACTGCAGTGT
143351	GGCATGGCTT	CATTTTACTT	ATTAAGATTA	GTTTGAACCT	TCTTTTAAAT
143401	TTTCTTTTAT	TAAAAAGACA	CTCTTGGAGT	AGTTTCCCAT	GAAAACCATT
143451	TATCAAGAAA	AATAGATCAA	CTCAGCACCA	GCTCCAGGTT	CAAACACAAA
143501	TACACACACA	CACACAAAA	TAAGGGAAAA	AGGCAAAATG	ATTTCTTGAA
143551	ATACCTATTG	ATTTTGGCTA	AACCTTTTAA	TTTTTTGAAG	TGTGAATTC
143601	TTATCATATGT	GGTCTCTTAG	ATCTTTTCT	TTTAGGAAAT	TGGAATTCAT
143651	AGAATCACAG	AGCTTTAAAG	CTAGAGGGGA	ACTTGTAAGT	CATTCAGGCT
143701	AACACCTTTA	ATTTTGAGAT	GCAGAACTG	AGCAGGGCTG	GAGTAGGGTG
143751	TGGTAAGTGG	AACACCATAG	GTGCCAAATT	GAAGAAGGCC	CCCTCAGCT
143801	GTCAATGGAG	TGAGTACCTT	CAATTGGTAC	CTTGGGCATC	CCACTTGGCT
143851	TATCTAGTCA	TGATCCTGAA	ACTGAGCCCC	TGAAGGTTAA	ATGCTTTGTG
143901	CAAGGTACCC	TGTCCTATTG	ATTCAGGGCT	GTTTCTCTTA	TCCCACCTTA
143951	CCTCCTGAAG	TTTGAAAACG	TTTAAGGGAG	AGGATTAGGT	AGGCTTGTTT
144001	CCAAGTAGTC	TTCTAAATAA	GAATATTTT	TTCATTTGTG	GTAGTGCTGT
144051	TTCTTCTTAT	CAGCATCTCA	TGAATTGTTA	ATTACCTTCT	ACAGGAATC
144101	TGATGAACCA	ACTTTAGAGA	ACCTGCCTGA	GTCTCAGCCT	ATTCCTTCCA
144151	TGGACCTCCA	CGAACTTGAA	TCAATTGTAG	AGGATGCCAC	ATCTGACCTT
144201	GGATACCATG	TGATGTGTTT	GCATTGATT	TCAGAAAGAT	GTCTCAGACT
144251	GCTGCACAGG	TTGCTGTGGC	CGACTTTGCA	GTGGGTCTGT	CTGGCCTCTG
144301	GGAGAAGCTC	TGAGTGTGTG	CAGCTATTAT	CAGTTTACCA	GGGCTGGGCT
144351	ATGACCAGGA	TGAAAAGTAG	AGAAGCCAAG	GATTTTTCTG	TCCTCTCTAT
144401	CTTCTTTGCA	ATAGTGAGGA	TGAGTTGGAA	ACTCACACCT	GGTGAGAGAC
144451	CTCTTCTGGG	TGGGTTAAAC	ACTGTTGTG	TTAAGCTGAC	TTTGGAAATT
144501	TGCAAACTCC	GAATACTCTG	GAGCACTGTG	TCTTCCTGT	TCTGFAAATG
144551	GTTCTTCCAG	TTGTCATAAA	TTTAAATTGA	AGAAATGAAG	CCAGGCTTTG
144601	GAAAATCAGC	TATGCAGATG	TGCATTACCA	GAAAATAAAA	GTGCTCAGAG
144651	CAGGAATACA	AAGGGAGGCC	TGTAGGATGG	CTGACTTTC	TAGAGGACTT
144701	CCTGATGCCT	TTGCTACCTC	AGACCACACA	GCAAACGAGT	ACACTTCCAG
144751	TAAACCTCTA	TTTTCACTTG	GAATAAGACT	TTAATTAGTG	GTCCAAATGG
144801	AGCAGATACA	TGCAAAATGGA	TGAGGTACAT	CATAAGCTAA	TGGTTAAATG
144851	CATGAGTTTT	GGAGTAAAAA	AGTTGGCCCT	ATCAGAGAAG	GCCCTGACAA

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144901 CATAATCTCT CTAGGTCTCA GTTTTCTTAT CTATGAAATA AGAATAATAA
 144951 TGCCTTCTTT CAGGGTTGTT GTGAATAGCA AATGAGACGT GGCATGTGGA
 145001 GTGGTCTTAG TTCAGTGCCC AGCACACAGT AAGTGCTAAA GAAGGGGAAG
 145051 CTACATTGAG ACTTTGAGCA GAGGAGGGTT ATCAATATAG GTGTCTTCTC
 145101 AGTCTTGTTC ACCAGTCTCC CCAGTGCCTA GAGCAAATTT CCAGGAACAT
 145151 GCTAAGCACT CAATAAATAT TTCTTGAGTG AATTAATGAG TGGATGAATA
 145201 CATGAGTGAA TGTTAGTCTG ATCCTCTGAG AAGCAGATGC TAAGACTAGA
 145251 CTACAATTGC AACGTTACTT TTAGAGAAAA TGCTTATATA AAAGAAAATA
 145301 GGAAAGAGCT AGAAAAAAC ACCAGGGAACCA TTAGACCACT GATTAAAGTC
 145351 TTATTCCAAG TGAAGAGAGA GGTGGTGA AGGTGAACCTA GATTCCTCTG
 145401 CAGTTAGAG TAGCAAAGGC ATCAGGAAGT CCTCTAGCAA AGTCAGCCAT
 145451 CCTACAGGCC TGCCTTTGTA TTCCTTCTGT GCTCCAGTAG TAGCCCATCG
 145501 GGAGGCATCA TAGCCTCTGA GAGAATGCAG AGATGGATT T CAGAGCATAG
 145551 CAGCTGGGAT CCTGGGCCAG TTGCACCTCTG TGTTGTTGGA GGTCTGCAAG
 145601 TGCATCCTTA TGGCTGCACA ATGATGTAAC AGCTCTTTTTT GGCAGCAGTT
 145651 TAGCTGTCTT CTCAAATTGA GAATTAAGGT AGTGAACCTT GGATTATCTT
 145701 GTCTTCTCAC CAGATTGCA CTTGAAGTCT TCTTACTAGA GCTGTTAAAG
 145751 CCTGTGCTGC CTCCTTCAGC TGTATGGAGA CAAGCACCTG AAGCTCTTTA
 145801 GATTGGCATT AGCCAGCTTT TAAAATGGTG CTATGGAAGC CATCTTGTA
 145851 CAGACATTCT TGACAAACAA ATATATATTT CAGATGGATT TCTGTCTTAG
 145901 GCCTTTTATG GTATTTGATA TATTATTTGT TAATTTCCAA AAGTGAAATT
 145951 TGGAAGTATA GAAATATCCC ATGGACTTCT CTTTCTAAAA ATAGAAATGT
 146001 CAGAGACATT AGAACCCAGC CGACTCCATC TTGAATAAGA GCTGAGTAAA
 146051 ATAAGGCTGA GAACTACTGG GCTGCATTCC CAGGAGGTTA AGGCATTCTT
 146101 TGTCACAGGG TGAGACAGGA GACCAGCACA AGATACAGGT CACAAAGACC
 146151 TTGCTGATAA AACAGGTTGT AGTAAAGAAG CCAGCCAAAG TCCACCAAC
 146201 CCAAGATGGC AAAGAAAGTG ACCTCTGGTC ATCCTCATTG CTCATTATAT
 146251 GTAAATTATA ATGCATTAGC ATGCTAAAAG ACACCTCCAC CAGCACCGTG
 146301 ACAGTTTACA CATGCCATGA TGACATGGGA AGTTACCTTA TATGGTCTAA
 146351 AAGTAGGATG AATCCTCAGT TCTGGGAGTT TCCCACCCCT TTCCTGGAAA
 146401 ACTCATGAAT AATCCACCTG TTGTTTAGCA TATAATCAA AAACAACAT
 146451 AAGTCTATTC AGTCGAGCAG CTCATGCCAC TGCTCTGCTC ATGGAGTAAT
 146501 CACTCTTTTG TTTCTTTACT TTCTTAATAA ACTTGCCTCC ACTTTTCTCT
 146551 ATGAACTTGC CCTGAATTAT TTCTTGTGCG AGGTCCAAGA ACCCTCTCTT
 146601 GGGGTCTGGA TCGGACCCTT TTCCAGTGAC AGAAAGCTGA GAAAGTTAGG
 146651 CAATATGTAG CTCCAATAC CTGTGGCTTG TGCTCTGCTG GAGGACAGAG
 146701 CCATCACTAT TTATGCATAG GAAGCCCCAG GACAGGATAT TGAATGGGTG
 146751 GTCTAGGACC AAAAAGTCTG AGCTTCTTCC TGTTTCAA TAGGAAAAGT
 146801 ACTTAATACT GCATTTTATA GATGAGAAGC CAAAGACATT AAGTGCTTTG
 146851 CTTAAGGACC ACAGAGTTCC TGCTTTCTAT CTAGTATACC ACCCTTTCCA
 146901 TTTCCCCCAA AGTGTGTGTT TTCGGTGGTG GTAGGTAGAA GCAATTGACT
 146951 TGTAAGAAAC AGAAAAACAT GTCAAAGGAA CTGGACTTTC AAAAGGCAGA
 147001 GTCTTTGTCA TGTGTCTCTT TGCTAATTTT TGTGAACGT TATAGCCAAA
 147051 TTACTCCCAA GCTAGCCTTG ACCACAGGTT CCAGCTACTA TGGAAAACCC
 147101 AAGCTATGTC CTCTTACCT CTCATTTTGT CTTTGTGTCAT GGAGGTTTCA
 147151 GTATGGTAGA CAGTGTGTTG ATTTACCAGC CAGACTGGAA ATCGTCAAAT
 147201 CTACTTCTTT GACCACTTTG TTCATGTTGT AATGTAAACA CTATTTAGGC
 147251 CTCTATGATA AACTATCAGA TTAGAAAAAA TACATAATAG TTTTAGGTGG
 147301 ATCAGATGCC TTGTAAAATA CTTTAAACAT TTCCGTTATT TTTTCTGTC
 147351 TGTAAATTC TACCTTCTAA ATGCTATTCT TTCTTAATAT TAAATTCAAA
 147401 AAATAAACTT AGAACTATGA AAATACAGCC TTGATAGGCA TTTAGGTCAA
 147451 TTCTATGTCT TTGCTATTGT GAATAGTGCT ATAATGAACC TAAAATAAAA
 147501 GTAAAAAAG AAGAAAAAAA GAAAATGCAA CCTTTGGGTT TGACAAATCA
 147551 TTAGAATGGT GGGCAACTAC CAGAAAATTA GTGATCACAG AGATTAAATTG
 147601 AAGTGAAATT TTGAAACATG AGACTTAATT TGTGATGAA CTCTGAAGTG
 147651 GTTAATTATT TTTTGCTTTT TAGAAGATTA GACTGCAAA TTTGAGCACC
 147701 CAAAGGAAAT TTGTATTTAT TTTTATTTG GCATGTATAT GTAAAATAAA
 147751 ATTATACAGT CATTCTTTCA AAGCTCCTAC ACCAAACATT TAATTAGTCT
 147801 TTGAGGTTGA ATTTGACAAT TCCCTCTGGC ATATGAGGAG TTAGTTGCAG
 147851 AGAAGAAAGA CAGGATAAGA CTTATTATTT ACATTTGATA TGCATTAGTT
 147901 GACTATAGCT GATTTAATCT AGTGAAAGTC ATGGGTAACC ATTATAACCA
 147951 AATGAGAAAG TACAACTGGA ATGTTAAAGA AATTATCCCC CATTTAACTT
 148001 CTTATATGTA ATGCTAATGA TATCTTGCAC ATTAATTTTT GCCAGGAACT

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148051 TCTTTTGTAC TCTAGCATT TTTTATATT TTATTTTTTA GCAACTCACA
148101 GCTGACTTTC AGAGCAGTGT TTTTCCAAA GCTGGAATAG CCTGAGACTC
148151 TAGGGCCTGG GTCTACAAGG AGCATGACTC CCTACCCAC CATTCAGATG
148201 TGGAGAATGC AGTGAAGTAG GCCTTGCTG CTTACCCACA TCCTGACCAG
148251 CTGTCACCTC TTCATTTTCT GTTCAGCCAC TCTTAAAGCA ATCACTGAGC
148301 CCAATGCTCA GAGATAGCTC AGACCTGTAG GTGGTGTGC TTTGCTTGCC
148351 TGAGGAGGCC CCACATGCCC TTTACAGTTC TGGGCTGTCT ATGACTTACG
148401 ATATCACCTC TTCTTTTTAA ATGTCCAAGT GGAATAAAG TGATTTGAAC
148451 TTTGCTAATT AAATATGTTA TGTTTTTATT GTTTTAATTT TAAAAAGAAA
148501 ACCTCTACTC ACTCACTAAT TCCACTTTTA GATAGTTATC TGAAAGAAAA
148551 CCTTTACTCA CTCAGTAATT CCACTTTTAG ATAGTTATCT GAAATGCAT
148601 CTACAAGAAG ACCTGTTTCA AAATGTTTCT AGAAGTTTTA TTCATAAGTA
148651 CTCAAATAA AAAACAAGTC AAGTGTCCAT CAATAGGTGA AAGGATAAGC
148701 AAATTTGTAG TTTGTTGATG GAATATATAC TCTTTGACAC TGAAAAGGAA
148751 CACACACCAA TATATACAAC AATATAGATA AATACTTTTA AAATTATGTG
148801 AAGTGAAAGA AGCCACACGT AAAAGAGTTC ATACTGAATG ATTCCATTTT
148851 TATGAGTTCT GGAACAGAA GTACTTATCT ATAGTAATAG AAATTAGGCC
148901 AGTGGTTGCC TGGGGTGGT AGTGGTGGGA GTTGACTCTA AAAGGGCACA
148951 TGGAAACCTT TTTTGTGAT AGAAAAGTTT GTAAGTTTGC TATCTTGATT
149001 GTGGTGATGG CTACCCAGAT GTGTAAATTT GTCAAAATC ATTGGACTCA
149051 ATACTTTAAA TTAGTGCAAT TTATTGTATA TAAATTATAC CTAAATAAAA
149101 TTGATAAAT AAAAATAT TAAAATATTC AGAAGAAACA ATGTAATGCT
149151 TAGCTGTGCT ATGTGTTAGC TAATGAATGG CCAAGAACGA TGTGAGTGAA
149201 GTCATGGAGA TAGAAAACAA TTGGGAAGAT CTTTGGGTAT CACCTGGGAC
149251 ACAAACCTCT TAATCCAGAA GGTGATCACA GGGTTTGAGA CTTTCTTCTA
149301 GCATCAGCTG AACACGTTG TCTTCCACAA GGAGTGTTAA CAAAGCTTTG
149351 GGGTCTTTT CAAGGAGGAA AGTTGGCTAT TTGGAGATAA GGGACAGGGA
149401 TCTTTTAGCT CCTCTCTCT CAGTCTTTAT AGTTGGGGGT GGAGGTGCAC
149451 ACATCTGAGT AGCAGAGAGC CCTACCAGCA GATCTAAAAG GACCTAGTGC
149501 TCATAAAGGC CACTGGAGCA TAATAACAACA AAAGGTGATA GCTCAGACTC
149551 CAATGCCAG CCCAAGATGG AGAAGCTGGT GGAGCTGCCT GGCTCTTAG
149601 TTCTCAGAAA AGAAGACCAA ACAAATGCCA GGGGTTACTT CCACATTCCT
149651 AGATCTCCG TCACTTCTGG AGCTTTAGAT GTCTTCAAGA CTTGATTTAT
149701 AAAGATAAAT TGATGGTGGT TTTATTTTCA AATTGTCAC TATTCCTACTG
149751 AGTTACATTT GCATTTTATA ATAGTGTTTC CACCTGACTC TAATACTTGC
149801 TCTCAGGAAT AAAGATGCCT GCAGTTCTCA CTAATTTCTG AGTTCTAGAG
149851 GATAAATTAGA ATGAATCTAA TACTGAATGA AGATGTGCTG ATTCTCCACC
149901 CTGAGGCATA TTTAATAAAT TAGAGTGTTT CTTCTGTACG ACAAGTCACT
149951 AACTAAAATT TCAAAGATTA TATCCAATTT GAAAAATTAA GCTGGGTGCT
150001 GTCTAACACC TGCCCAACAA GCCACTTTGA CATGGCATCC TAAGCAAACG
150051 TAATATAAAT AGGGGGAAAA TTAGTCCCAG AACGTCAGGT ATTCATGGGG
150101 AAAACAGCA CCCACGGACA TCTCAAATA AGTAAACCGC CTGGGAAGGC
150151 TATATGTCAT CCCATGGATC ATCACTTAGC TAAATATAAA TCATATAGTA
150201 GTTATTATAC TAAAGGTCAT GCTAATAAGG CAGAGGGCAT CCTTAAGTGG
150251 CCTTGCTTGG GTCATCATGG CTCAGATTTG GAACAAATCA ATTAAGCAGA
150301 AAATTAAATA AGTATCAATC ATAGCTTTAA GGTGGATAG AAACAAATGT
150351 AATAGAGTAA AACCTTATAG AATGTGTGTT TCAGACAGTG CTCTGCATAT
150401 ACCACCGTAT GGTTTTCTT TAGTTGATGA ATTTATTTT CATGCATGCA
150451 GGTTCACAG TTGTGCTCCA TACTTATGTG CTTACCACTT GGAGAACATT
150501 GTTATGATGG CCAAAGAAAG CTAAGCTGCC ATATGAAAGG GAATCTTTCA
150551 GATCTGCCTT TGAGTCCTGA CTTTCCCATG TGATTGCACT GTGATTTTAA
150601 GGAACATAAT TTCTGTCATC TGCAGTTTTC AAATTTGTTT TTCATCAATA
150651 AAATGCAGTT AGTAATACCA ATCTGAAAAA TTTACTGTAT TAAGTGAGAC
150701 AACATGTATT TGATATAACA CATATGTTAA CATACAGTAA CATACATGTC
150751 TGTTACTGTA TTTTCGCTCA TCAGTGACAG GAGCTATTAC TACCAAAACA
150801 GATATAGAAT GGTAGATGG TGCTTATCAC CTCTTGCTA CTTGTTAGAA
150851 TCGGACTTAT CTTTTAAGAC CCAGCTCAA GACGTCCTCC TTGATTCGAC
150901 GTCAGAAGAT GTCTCCTACC AGGACTCTTT GACTAATCTC CCTGATCAT
150951 TTTCTCCTTT CTTAGAACAT ATCCTATGCT GCCTTACAGT ACTGAGGTG
151001 TGAACCTGAC TGTTGCCCTA GCGTAGGTTG AAAAAGTGGG ATGTCTTTGT
151051 TAACAAGTCT TTGGAAGCA CTTTAAAAAG AATAGTAAGT AGTTATATTA
151101 TAAAAATTAC AGACACAGGA TGAACAACAA CATACAAAAA ACCTATTCAA
151151 ATATCACTCA CGTGAATACA GTCATGTACT GCTTAATGAC AGGAATATGT

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151201	TCTGAGAAAT	GTGTCATTAG	GCAATTTTCAT	CCTTAAGCAA	ACATCAGAGA
151251	GTATACTTGC	ACATACCTAG	ATGTTATAGC	CTAATGCGCA	TCTAGGCTCC
151301	ATGGTATAGC	CTGTTGCTCC	TGCACTACAA	ACCTGTACAG	CATATTACTG
151351	TCCTGCATAT	TGTAGGCAAT	TGTAACACAG	TGGTAAGTAT	TTGTATATCT
151401	AAACACAGAA	AATAGACAGT	AAAAACGAA	TATAAAAGAT	GGTACACCTG
151451	TATAGGGCAC	TTATGAATGG	AGCTTGCAGG	ACTGGAAGTT	GCCATTGGTG
151501	AGTAGGCTAG	TGAGTGGTGA	GTGAATGTGA	AGGTCAGAGA	TATTCACTAC
151551	TGTTTACTAC	TGTAGACTTT	ATATATAAGC	ACTGTATATA	TAACACTTAG
151601	GCTATACTAA	ATTTATTTTG	AAAATATTTT	TCTTCAACAG	TAAATTAACC
151651	TCAGCTTACT	GTAACTTTTT	TACTTTATAC	AATTTAATTT	TAAAACTTTT
151701	TGATTATTTT	ATAACACTTG	GCTTAAACAA	CAAACACATT	GTACAGCTGT
151751	ACAAGAATAT	TTTCTTTTTT	ATATCATTTT	ATAAGCATTT	TCTATTTTTA
151801	ACATTAAATC	TTTTAACTTT	TGAATTTCTT	GTAAAAACG	AAGTCACGAA
151851	CACACATATT	AGGCTAGGCC	TTCTGCCTTT	CACCTCCATA	TCTCGTCCCA
151901	CTGGGAGATC	TCCATGGACA	ATAACATGCA	GGGAGCTGTC	ACCTCCTATG
151951	ATAACAATGC	CTTCCTCTGG	AATATCTCCT	GAAGGTTTTA	CAGTTAACAT
152001	TTTTTAAATA	AGTAGAAGGA	GTATACTATA	AAATAATGAT	AATAGTATAG
152051	TATAGTAAAT	ATGTAAGATA	GTAACATAAT	TATGATTATA	TTGTACATGC
152101	TTGTATGCC	TATACTTTTA	TATGACTGAC	AGTGCAGTAT	GTGTGTTTAC
152151	ACTGCGTCAC	TAGGTAATAG	GAATTTTTTA	GTTTAATTAT	TATCTTATGG
152201	GACCACAACT	GTATATGTGG	TTCGTTGTTG	ACTGATACGT	CATTATGCAG
152251	TGCATGACTG	TACTTGTACT	TTAAGATTGT	TATGGCTTGA	ATGTCTGCTC
152301	TCAAAAACTC	AGTTGTTGGC	AGTGTGATAG	TATTAAGAGG	TGGGGTCATT
152351	AAGAGGCAAT	TCACTCATGA	GGACTCCCTC	CTTATGAATG	GGATTAAAGT
152401	CCCTTATCAA	AGGGCTTGAT	GGAGTGAATT	CATCCCTCTT	GTCTTCTAC
152451	CTTCCACCAT	GTGAGGACAC	AGTGTTCCTT	CACTGCAGAG	GATCAAGCAA
152501	TAATACGCCA	TGTTGGCAGC	AGGGAGCAGC	CCTTACCACA	CAACCGAACC
152551	TGCTGTTGCC	TTGATCTTGG	ACTTCCCAGC	CTCCAGGACT	GTGAGAAATA
152601	AATTTATGTT	CTTTATAAAT	TACCCAGTCC	GTGGTATTTT	GTGACAATAG
152651	CACAGATAGG	CTAAGAAAAG	GACAGAACTT	GTACTGACAG	TTTCCTATGC
152701	AGATTTCAAG	GAGAGCTTTA	TCTGAAAAAT	ATGAGCTGGA	AGTAAGGAGT
152751	TGCACAACCT	ATAGTCAATG	CAAGGACACT	TAGTCTGTAT	GCATGTGAGG
152801	AGTTTAAATA	ATTGTATTTT	ATGAAATTTT	AGAGTGGGAA	AAAAGCAGTA
152851	GCTCTAAATA	TTTTATATAA	TATGGGAACA	TAAGTTTAAA	TTTGTTACTA
152901	AATTAACAAT	GTATTATAAA	TAGAAATTTA	TCGTTTTGAC	TTATACTCCT
152951	AATAGTTCAA	CATTCAAGTT	TGATATTCTT	ATTGGAAAAA	GAGTCAAGTC
153001	TTAAAATTTT	CTAGGTTTCC	TTACAATTTAG	ACATATACCA	TATTTCATCC
153051	AGTCTAAATC	ACACAGTTTT	GCACAAATTGA	ACACCTCTGA	AATGGAGATG
153101	CATCTTAAAA	TAGACGCGAT	ATCATAATTT	CATGGACAGT	AGTTTTATTA
153151	ATGATATATA	ATATAATGAT	TCATTTCAAA	ATTGATGGTG	TCTTTGATTG
153201	TGTAAAGTAC	AATATTATAT	TTCTCAATTG	TATTGGTCAG	GCTAGGCTAC
153251	ACTTGCTGCT	GTAACAAATA	CACCTATTGA	CCTAGGTAAC	AAGGGATTTA
153301	TAGCTCATTC	CTATAAAGTC	CTATGTGGGA	AGAAGATCTC	CAGGGCAGAT
153351	ATTCCTCTGT	CAGTGAAGTA	GGACCAAGGC	TTCTTCTATT	TTATACCACC
153401	ACCATCTCAG	CATTTGGCTT	TCAATGTTCC	CACAAGCAGC	AGAAGTAGAT
153451	TGGAAGTAGC	ACACCCACAC	ATAAATTTCT	CAGCTTGAAA	ATTACTTCCT
153501	TGCAATTTCA	TTGACTAAAA	CTAGTCATGT	GGCCCAACTT	TCACAAAGG
153551	GCCTGGGAAG	TACAGTCTTT	CCTGTGCCCA	AGGAGGAGAG	AATCAGATAT
153601	GGGTGAACAC	TACTGATCTT	ACCACAACAG	TCTATCTTAG	TTACCTGACT
153651	CTGAAATTAG	TGTAATGATC	AAAACCCAAA	TATATAATTG	AATCATGTGA
153701	AATTTATGTT	CCAATTAGAT	AGAGAAACAA	ATACCTTTAT	TCTTTTACAA
153751	AATAATATAT	TGACTTGTAC	CAAAATGAAC	TATTATAAAA	TAGGCTTATT
153801	TCTTCATATT	CTATCATAAA	ACTGATGACA	AAAACAATAT	TTTATTTAGT
153851	TTTAAATTTT	CTGATTAAAC	CTAAAAAGCA	AAATATAAAT	AAAAAAGGAG
153901	TGAGCTATAA	ATCCCTTGTT	ACCTAGGTCA	GCAGGCGTAT	TTGTTACAGC
153951	AGCAAGTGTA	GCCTAGGCTA	ACCAATACAA	TTGAGAAATA	TCATATTGTA
154001	CTTACAGAA	TCAAAGACAC	CATCAATTTT	GAGATGAATC	ATTATATTAT
154051	ATATCATTAA	TAAAACACTT	GTCCATGAAA	TTATGATATG	CCGTCTATTT
154101	TAAGATGCAT	CTCCATTTCA	GAGGTGTTCA	AATGTGCAAT	ATATGTGAGG
154151	CATTTATTAA	GTTGGTTCTT	GAATCTCTTA	ATTCACTCTA	TAATATGTAA
154201	AATTCTATAT	TGGGGCCATA	TGAAGCCTTG	CTAAAACCTG	TGGAGGACAG
154251	GTTTATATTT	GTAAGGCCAA	TATTTACAGT	CTTTCTTAGC	TCTCATTTTC
154301	TGCGACGCTAA	CGAAAGTTAC	TATTTGAGGA	AGAAGAAATG	GCTCCAAAGG

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154351 TGTCCTTAAA ATCCTGATGT CCTAAGGCTG TCCTAATCCT TGGAACCTGT
154401 GAATATGTTA AGTTACATGA CAGAGGGGAA TGAATTAAGG TTACAGATGG
154451 AACTAAGGTT GCTAATCAGA TAGGGAGATT ATTCTGATTA TTTGGATGCT
154501 CTCAGTGCCA CAAGGGTTCT TAGAAGTAGA AGAGGGAGGC AGACAGGGGA
154551 GAACCAGAGA GATGGCAGTG AGACAAGGAA TTGGCCCAAC ATTGCTAGCT
154601 TTGAAGATGG AGGAAGGAGA CAATGAGCCA AGGAAAGCAG GTGACCTTTA
154651 GAAGCTAGAA AAGGGAAGGA AATGTATTCT TCCTCCTTGG ATCCCCCAGA
154701 AAGGAAGGCA CCCTGCCAAC AAGTGTATCT TAGCTTGGTG AGATCCATGT
154751 CAGACTTCTG ATCTACAGAA CTAAAAGATA ACTTTGTGTT GGCTGGGCAC
154801 AATGGCTCAC GCCTGTAATC CCAGCACTTT GGGAGGCCAA GGCGGGCAGA
154851 TCACAAGGTC AGGAGATGGA GACCATCCTG GCTAACACGA TGAACCCCA
154901 TCTTTACTAA AAATACAAAA AATTAGCAGG GTGTGGTGGC GGGCGCCTGT
154951 AGTCCCAGCT ACTTGGGAGG CTGAGGCAGG AGAATGCGGT GAACTCAGGA
155001 GGCAGAACTT GCAGTGAGCT GAGATCGCAC CACTGCACTT CAGCCTGGGC
155051 GACAGAGCGA GACTCCGCCT CAAAAAAGAA AAAAAAAGAA AAAGAAAAGA
155101 TAACTTTGTG TTATGTTAAA TCACAAAATT TGTGGTCATT TGTACAGTA
155151 GACATAGAAA ACTAATACAG CTATATTGGA TTATGTCTGC TTCCAGTCAA
155201 ATAACCACCA TCTTTGATTC ATATGCTAGT TTTTTTTGTT GAAGTGATTG
155251 AAATAGCTTG CTTTGGTGTG TAGGCCAGAC TTTAATTTAG AAATTTATGA
155301 TAGGCATTTT AATTAATATT CTTTGATTTT TATAAAGGAA CTTCTATTTT
155351 TGTTTTGTGA CATTAAAGGC CACCTCAGTA CCAGATACTA ATTGTTGTAA
155401 GTGAGAGATC CCCTAGAATC ACCTGTCAAA CTCTTTCATT TTTTGAAGTG
155451 AAATAGCACA TCTCCAGAAA AAAAAAAGAA GAAAAGAAAA AAGAACTTTC
155501 TGGCAAGTAA CTATGGCAGC AAAACCTAAT ATCTTTTTC CTAATCAGTA
155551 ACAACATTTT CAACTGACTT CTCTTTTCTT CTTGCTTCTA AAAAACTCAA
155601 AAAAGGAAAA ATAGGAAACC ACTAAAAGA TCCAAAATGA TCGTTGCATT
155651 TCATAATAGT GTGTATAAGT GTGAGCAGTA TAATGAATTT GACTTATTCT
155701 CTCCTTTATC GTCAATTTTC CACTTCTGTC TTCAGGGAAG TATGTGAAGT
155751 CGCCAGCATT TATAACTCAC CAGGTAGACT TGTCTCTGAT CTTGCAGGAT
155801 GGGTTTCTTG CAAACCATC TCATTGTTCT GTGCACTGGC ATCCACATGT
155851 GGGGATATAT TTATATGAAT GTGTAGTATA AACATACCTA CCTACCTTCA
155901 CAGCTAACCT TGATGATCCT TTCCTGCTAA CCCCTTCATT TGTCTGAATT
155951 TTTTTTCTGG CCAAGGCTCG TTTAAATTAT TAATGGGAGT TCTTCTTACT
156001 ATTGAAGATT AGCTGGCAAA GTAAATATTT GTAGGTGAGT TTAAGATGCC
156051 TGCAGTCTTT CATTGCATGC ATTGGCGCCT GGGCATTTTG GGTGTAGAAA
156101 ATCAAAGAGA CTTTACCCTT TTTTATATCT CAGATTGATT TTCTCTTTTG
156151 ACTCTAGAAG AAATGAAAAA ACTCAACCCT TCTTCCAGCT CAATTCCACA
156201 TGACCTGTTT TCTTGGCTTC AAATAGCATA AAGCTAAATT AACCTGCTTC
156251 TTTCTTCCA CCTCTACCT CCCACAAATC CATTTTAAAG TATAATAATT
156301 TGACAATTTG CATAAGCAGT TGCTTATGAG CATATGGTGT CTAGTCAAAT
156351 AAATTTAGCC TCCTTTTATT TGTGAGATTA TACATTTTGA ACAGGACCAA
156401 CCTTTGTGTG TTTTGGACAT CCCAAATGAA AAATTTTAGT GGTATACTTG
156451 AGAGGGCTGA AAGTGACTA CCGATTAAGA AAGAGCAGAT TTTAGAAAAA
156501 ATTTTAAAT GTTCCCTTG GCCCCTTTAG CTCTGTGCCA TGTTTGAGGA
156551 GAGTAGGTCA TTGCCCTGAC TATGCTAACA TGTTACAGG CCAACTTCTT
156601 TTTTTTAAAT TAAATAAAAT TTAAAGTTCT GGGATATGTG TGCAGGATGT
156651 GCAGGTTTGT TACATAAGTA AACATGTGCC ATGGTGGTTT ATGGCACCTG
156701 TCAACCCATC ACCTGGGTAT TCAACCCCAT ATGCATTAGC TATTTATCCT
156751 GATTCTCTCC CTCCCCTGG CCCCATGACA GGCCCCAGTG TGTGTTTTTC
156801 CCTCCCCTGT GTCCATGTGT TCTCATTGCT CAGCTCCAGC TTATAAGTGA
156851 GAACATGTGG TGTTTGGTTT TCTGTTCCCT GTGTTAGTTT GCTGAGGATA
156901 ATGGCTTCCA GCTCCATCTA TGTCCCTGCA AAGGACATGA CCTCATTCCT
156951 TTTTATGGCT GCATAGTATT CCATGGTGTA TATGTATCAC ATTTTCTTTA
157001 TCCAGTCTAT CACTGATGGA CATTGGGTT GATTCCATGT CTTTGCTATT
157051 GTGAATAGTG CTGCAATAAA CATACATGTG CATGTATCTT TATAACAGAA
157101 TGATTTATAT TCCTTTGGGT ATATACTGGT AATGGGATTG CTGGGTCAA
157151 TGGTATTTCT GGTTCTAGGC CTTTGAGGAA TCACCACACT GTCTTCCACA
157201 ATGGTTGTAC TAATTTGTAT TCCCACCAAC AGTGTAAGG CATTCCTATT
157251 TCCCCACAGC CTTGCCAGCA TCTGTTGTTT CTCGACTTTT TATAATCGCA
157301 GAGGCCATCT TCTTACCTGT CCCTAGGAAC TCCACGATTC TTTGGTGCCA
157351 TCATGATGTC ATTCGATGCC TCGCCTCTTA CTTTTTGCTC TCAGTAAATC
157401 ATATTCCTAT AATCATTGCT CTCTCAGCTC AAAATTCCAT CCAGCAGGCA
157451 TCATGGTAAA AACATGTATT TTCCATTATA TTGGCAATAT TCATTGATTC

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157501 AAAAATGTCA GAGGAAGTAC TCACAGTATA GGAATGTATC ATACCACAGC
157551 AACTTAGAGT CAATAAACTA GTTCTTTGTT ACTCAAAGTG TGACCTGTGG
157601 ATTACAATCA GTAGCATCCT GAGAATTGTT TAGAAATGCA GAATCTCGGA
157651 CTCACCTCAG ACTTCCTAGA TCAGAAGATG CATTTTAAAC AACATCTCAG
157701 TGATTTCGTAG GCACATTAAA GTTTGAAAAG GACTGAGCTA GACTCTAAAC
157751 CCAAAGAGT ATGGACCATG TCCGTCTTGC TCACCATTTT ATTCTTACCT
157801 ACTTATACAG TAACTAGTTC AGAGTTGGTG TTGCTAAGTA TTTGCTGAAT
157851 GAATGACTAA ACCTAGGGAA AAATCCTATT AAGAACACGA ATGCTTTTAA
157901 TCTTAAACAG CATACATTTT ACGCAGAGAT TAATTCAGTT GGGGAAGCAG
157951 TAGAATAACA AGTTGCCAGG AGAGGATAAG TTGTGTGCAT CACTGTTTAT
158001 CTATAAAATT TTTCTCTTTC TTCTTAAAGG AGACTGTAAT CTAATTTTAC
158051 TAGACGAATA CTGGAATAAT GAAAAATAAA GGAATTTCTG AAATAAGGAA
158101 ATAGAATCCT CCATGCATAC TTTTGTAGTC CCCTAGCTGT TGCATCTTTC
158151 TTTATGGATA CCCCTACATT TAAATAATAT TTTAGGTAAG TCACCAACAG
158201 TTTAAAAATA TGGTTTGTTC TTCTGCAGTA ACTATAGAAT AGTATTTAAT
158251 TTAATAGAAA TGGCCAGCCA TCCTTTAATA GAAGGGTCAC CAGAGTAATC
158301 CTCCCAAGGC TCCTTGGGAT GTGTCTTGCC TAAGAACTAC TGGGAATTAA
158351 AGGGTTGTAT GAAGTATAGT CTGTATTACA GGTGCACACT TGTTCCTTTT
158401 GTTTGTATCA GTTAGTCTCC CCATGGAATT CATGACAGCA CTTTCCATAT
158451 GACAGAACGT TAGCAAATAT TGGTTGAATC ACTATTTTTC AATAACAGGC
158501 CTAGTAGGGC CATTACGTGA AAATATTTTTC TTAGTGGTTG TGTGACTGG
158551 ATCTCTGGA AAGCAGATAA TAGGACAGAG TTAGAAGTAT AAGAGCTGTA
158601 ATAGGTTAAA GTCTGTTGAA AGAAAAGTGA TAGAAAGATT GGGAGTAGGC
158651 AGAGAACCTT CAGACTATGA TGCAGGTCTG ACACCTGTGA AAGGCAAGCA
158701 GGAAGGAAA CAGACTGGGC AAGAAGAGTC TCAGACAGCA CTGGAGCTCT
158751 GAGACAGCCT CATTAGCCCC AATGGGTGGC TTTGAACCAG CTTTACTGG
158801 TTCAAAGATT TCCCATAGAG GAATCCCAT TTTGACAGAA ATGCTATTCC
158851 CTACTGTCCC CCACCAACTC AAATGCTCAA CTGATCCCCA ATATCTTACA
158901 GTTTGAGGCG CTGGGTTTAC TGCATGCTTG GCAGCTAATC ATCAAATTCT
158951 TGAAGAACCT GAGAAGCAGA CTTCACAGA TGATTCATAG ATAGTGGTTC
159001 CTTTGAGCCA TTCCATATGC TTGAGATGGT AAAAGAGTAT TTTGATAACA
159051 GTCTATAATT CAGTAGTTTT CTCTGACTTA AAGTAAGTGT ACCTCCAATA
159101 TGTTCAAAGT AAGAATGACT AAAATTTCTG GAATATTCGT ACACATTTC
159151 GAAAAATCCA CTAACTGAT GGCCACTGGT ATACTTTAAA GAGATTTGGG
159201 GCCAGACTTT GTCTTTTCTT TACTTATGGC ATTTACCAAC TATGTGGACC
159251 TGGACAAAAA ATTTAATATT CCAAGCCTC AGTTTTCTCA TCTGTATAAT
159301 GGGAAATAAT ACACCATTT TGCAGGGGTT TAGTGAGGAA CAAATAAGAT
159351 GATACACAAA GCTGAGCACA GCACGTGAAA CAGAAAGTAC ACAGCAATTT
159401 TTTACTAAAG GAGTACAATC AGTGTCAAAG CAAGTTGCAA TATTTTCTCA
159451 AGTTTCACAT AAAACCTTTG AAATGATGAT CAATAGTATT TCAACTTTAA
159501 TCACCAGGAA ACCTTATAAT TTTAGCCCAT AAACACCTTC ACTATATGAA
159551 TTAAGAATAA TTTAGAATAC AGTATTTTTC TTTGCTATTG TTTTTCGCTT
159601 TATGAAAAAT ATAAATCAC TTTGGCTGAT TAGTTCTACA TATCAAATGA
159651 TGGTCTTAAT GATGCCTATC TGGGCCAGTG AACTTAGTAC CAAAATAAAT
159701 TATCATCTTT GTCAGGTCTG TAGACAGCCC CCAGAATTAG AGCCAAGGCC
159751 CTACAAATGT GTATCAAGAT AATGTAGGGA GAGTGCAGCA AACTGTTTAT
159801 GACCTAATTC ACGCCAAGGA AGGCATTTCT AAATGGGCGC CCTCCTGTTG
159851 GTGCATCAGG GATACCACTG TTATATCCAG AAGTAGAACC TGGGACAAAG
159901 TTCTTTTCTT AGAAGACGCT CCTTGGCCAG CCGTTTAGAG CCCATACACT
159951 AGCAGTTAAA ATTTCCATCT ATTTTCTCTA AGTACATTAT GAGTGTAAT
160001 ATATTTTGTG CTAAGGAGCA TAAGAAGGAC CAGAATATGT ATCCATTTT
160051 CCATTGTAGT CTCATTGAG ATTTAGGCCA AACTCAATAG ATTAATAATAT
160101 AGAGCTTGGT AGGCATAACC ATGACTTTTG CAATGGAAAT ATTTAGGTAA
160151 TACTTGTGGC TTATTTTAAT GTAATCCTCT GCTTTGGGTT TATAATAAAA
160201 TCAGGTAATT TTCTGATAC ATAGGGATT GTTATCCACT CTACCTCAA
160251 TGCTGTATGT ATAAGTGAAC TCCTGGTTTT AGACAAATTG CTTTGAATTA
160301 CTTCCATTAT TTTCTCCTTT AGTTGGAATA TGAAGAAATT TCAGCAGGCC
160351 TTTTTTTCAT AGCATAGATT TTGAAGACAA GGAAAAGTCT GTGCTTGTIT
160401 CTGGTGCTGT GCGTTTGGAG AGCACACACT GAAAGCAATT TGTCTAGAAG
160451 TATGCTGTCT GATTTGAAAT CCACTAGCCA CATGTGGTTA CTTTAAATTA
160501 ATTAAAGTTA AATACAATTA AAAATCTGTT CCTCAGTCAC ATTAGTCACA
160551 TTTCAAGTGC TTAATAATTA CACGTGGTTA GTGGATACTG TGTGGACAG
160601 CATACTTCTA GAACATTGCA TCATCGAAGA AAGTCTTATT GGGCAGCACT

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160651	GTCCAGAGT	AAAATCTAAG	TATCTAAATT	TTTAAAAAGC	TCCACAGGTG
160701	ATTCTGGTGG	GAAACCTGTT	TCAAAAATCA	CTATAACTAC	TATTTAAATGT
160751	TGATCTTATA	TTTCAACTTA	AAACTCACAA	AAGATTCTAT	TTCCCTCATT
160801	TTCCAGTTCT	TCCTTGGAAT	GAGGGATTGG	TTTACTGAAA	TTCTCAAATA
160851	CTGACAACAT	GTGTCAATAA	CTCTTCTCCT	TTTTCTAGAA	GAAGGACACT
160901	GAAGTGCAAA	GAGGTAAAAA	ATGAGAGGAA	TATTGTGTGA	CTGGACCCAG
160951	CCCCACTGCG	AATTTTTTTT	CAGAGGTTTC	TCTTCTATGC	TGTGACAGCT
161001	TTCCACTAAA	TAGAAGAAAT	GAGTACAGGT	GTTTTGGTTG	AAGTCTTACT
161051	TCCAGAGCAT	ATTAGGACCA	AACACTGTGA	TACTATTATG	CTGCCTCAGA
161101	CCATAGTGTA	GCAAGTGAAA	GCCCCAAAAG	TCACACAGAT	TGAAAATAAA
161151	GTATTTCAGA	GTTTACCTAA	TAATAATTCC	TTCCCACAGT	GAAAGACAAA
161201	GCTTACATTT	ATTAAAAACC	AGTTGATCAT	GTTAATGAGT	CAGAAGTGTG
161251	CAAACCAAGT	GATTTTACAA	GACTGAAGAG	AAAATACAAT	TTAATTAGAG
161301	ATGGTCAGGT	AAAATAGCTA	ACAGTCATTA	GTGACATCTA	GGAGCAAATA
161351	AACAAACCCT	GAGTTAATGA	AGGGTACACA	GGCAGATAGA	GGCTTGACAC
161401	TGGGACTAGA	GCTGGCCTGG	AGTGCCATAG	TGTGAGTGTG	TCTCTTGTGT
161451	GTAGTTGTGT	AATGAGCTGT	TTCTTACATA	GCCTGGTACA	TAGAAGTGCA
161501	TTTTGTGAGT	TCATGTCTCG	AAAGTGCTTG	TGTGGCCTAA	ACAATGTCCA
161551	TTTATTTTGG	CTCCTTTTGG	ATTAATTTTT	ATGATTTTAA	GGGTAGTAAGA
161601	AAATAGTCAG	TGGTATTTCT	TTTTCTCTTA	AAAGATTTAT	TATTAGATTG
161651	GTGCAAAAGC	AATTTCAATT	TTTGCCATTG	AAAGTAATGG	CAAAAACCGC
161701	AATTACTTTT	GCACTAACCT	AGTATAATAA	ACTTTATTTT	CTTAAGTGCC
161751	AGTTTGCCTC	TTTGAGCTTC	AAAAGTGGTT	ATCTTATGTG	GCTCTGTAGA
161801	AATCTCTTCA	AATTTACCTG	TTTTCTTCTT	TCTGGGCTTC	CTTTTAGGAA
161851	TTCTGGAGTC	CCTTCTTTTA	GGAATTTTAC	ATTGCTGTGA	TCTTGTACTT
161901	TTGTAAGTAC	CATTATATCC	TTCGACTTTT	CAATCCTAAT	TGATTTTCCCT
161951	GCTCCTAGGC	AATTGCCTTT	CATATCCTTT	AGAAAAAGCA	TTCCCTGAGC
162001	ACCACTTTTA	TCTTTCATCA	ACAGTCAATC	TTCAACAAAT	ATTTATCAGG
162051	CATCCATCT	GCTGAGAAAA	GGGAATCCAG	TAGTGAGCAA	GACAGACTTG
162101	GTTCTGCCCT	ATAGAGCCTA	CAGTGAAGTT	TTCTCTTACC	CCAAAGTGTG
162151	TCATTACTTC	CTGTAGTGAG	TGTAATTATG	ACCCCCAAAA	GATATGTCTG
162201	CTTGGAAACCT	CAGAAGGTGA	CCTTATTTGG	AATAAAGATC	TTTGCAGATA
162251	AAATTAAGGT	AAGGATCTTC	GGGGGAGATC	ACCCTGGATT	ACAGTGGGCC
162301	CTGAATCCAG	TGACAAGTCC	TCATCAGAGA	AGAGAAAATA	AAACAGATAG
162351	AGAGATATAT	TAATACAAAG	AAGATGATGT	GAAGAGATTG	TAGTAATGCA
162401	CCTACAAGCC	AAGGAAGACC	AAGGATTCTC	AACAGCCACC	AGAAGCTAGG
162451	AAGGAGGGGA	GGCCTGGAAC	AGATTCTTCC	TCAGAGCTTC	CAGAAGGAAC
162501	CAACCTGCC	AGTGCCCTGA	TTTTGGACTT	CTGACCTCCA	GAAATTGTAG
162551	AGAATAAATT	TCTGTTGTTT	TAAGTCACCA	AATTTGTGGG	ACTTCATTAC
162601	AGCAGGCCTA	GGAAACTAAA	ACACTTCTTG	TCTTAGTCTG	TTCAGGCTGT
162651	TGTAACAAAA	TACCATAGAC	TAGGTGGCTT	ATAAACAAAC	GAAATTTATT
162701	TATTACCATT	CTGGAGACTG	GGAAATCCAA	CATCAATGCA	TTGGCAGATT
162751	CAGTGTCTGG	CAAGGGCCTA	TTTTCTGGTT	CATAGATGAT	GACTTCTCAC
162801	TGCATCTTTT	ATAAGGTTAC	TAATCCCAAT	CATGAAGCCT	CACATTCTAC
162851	AATCTCATCA	CCCCTCAAAG	GCTCCAACCT	CTAATATCAT	CACATTGGTG
162901	ATTACGTTTC	AACATATCAA	TTTAGGGGAG	ACACAAACAT	TAAAACCAAA
162951	CCATTTCCCT	TATTCACPTT	AAAAACATAA	ACCCTTTTAT	CTCATTTTTG
163001	TATAGCAGTC	AAGAGAACAG	GTTATTTTAG	CAGACTGTCT	GGGTTATAAT
163051	TCTATCTTTG	CCAATCATA	TGGCATTTTG	GTCAAATGCC	ATAAACCTCT
163101	GTCCTCAGT	TTCTCTATCT	GTTAGATGGA	AATCACAATG	ATATTGATGT
163151	CATAGCATTA	CTGTGAGGAA	TTTAAAGACA	CTTAGAGAAG	TTGCTGGAAT
163201	GTAGTGATTA	ATAATTATTT	TACTACTATT	TTACTAATTT	TCATTATTGT
163251	TAAAGGCTTA	CAGAATATTT	CACAACCAGT	CCAAACAGAA	ATGTTTTTTC
163301	TAATTGCTCA	CTTACCGTAA	GACTTTTATAT	CTCTACTATT	TTTAATCACA
163351	TATAGCCTTG	TGATTGTATT	TAACTTTACA	CATCGATGTA	TAGATCCATA
163401	AATATTACT	GAGAAACCTG	TAAGTTCAAG	GTATTTTGCT	AGTCATTTTG
163451	GGAAACTTGA	GCTAGAAATT	ATTTTTTTTAA	AGAAGCAAAA	ATTCTTTAGC
163501	AGCAAATGAA	CTTATTTCATG	CTCTCAAAAA	CTACTGTTTC	AGCACTCACA
163551	TGTGCCCGGC	ACTGTCCTGT	GCACTGAGGA	TTCAGGAGTG	AACAAAGCAG
163601	ACACAAATCC	CTGCCTCCAT	GGGAGCCTCC	ATTCAACTGG	GGGCGATGGA
163651	AAATAAACAG	ACAAATATGT	TGGAGGTTGG	GCTGGTGGGA	GGTATTTGGA
163701	TCATAGAGGC	AGATCCCTCA	TGAATTGGTT	AATGTCATCC	CTAAAGTAAT
163751	GAGTGATTTT	TCACTTGATG	AGTTCCAGAT	ATATCTGGTT	GTTTTAAAGA

163801 GTGTAGCTTC TTCCCCCTTC TTGTTCCCTT CTGTTGCTTC CTGTCTCACC
163851 ATGTGACACC CACTCCCCCT TCACCTTCTG CTATGATTTT AAGCTTCCTG
163901 AGGCCCTCAC CAGAAGTGGA CGCTGGCACA ACACCTTGCTG TACAGCCTGC
163951 AGAACCCCTCA GCCAAAATAA ACCTCTTTTC TTTATAAATT ACCCATCCTC
164001 AGGTATTCTT TATAATTATA GTGATACAAG TGGACTAATA CGCTATGGTA
164051 AAAAGTTTATG TGGGGCATTG AATCTCTTAA TCCAGGGTAA AATTAGAAGA
164101 TAATCTTCCA ATTCTGAAGA CTAAAAGATC TCTAGAAATT ATGATTTTCAG
164151 AACAAAATAT AATTATTGTA AATATTACAA CATTTAACAA CATAAAAATA
164201 ACATGTCACC AAAATTGGGA GGTATGGAAA GGTGAGTTGG AAAAAAGCCT
164251 TAGTGACAG ACTTCTTTAA CAGCAGGAAA TCAATTAATA GTATCTAAAA
164301 GTGAAACACA TAGCCAATAA AAGATACAAT GACTGCAGCC TCTTCACATT
164351 GTTATAATTA TTATTCTTAT CCTTACAGAG GTATGTTATT AACTAATATC
164401 TCTTGTGGTA AAGGAACAAT TATCTAAAGT TCAGCAACTA CTAGTTTCA
164451 GTTTTTTCTT TGATAATTTT AAAAAATACA TTTAATACCT AGAAAAAATA
164501 ATACTGTATT GATTTCTCAT TGCCGCTGTA ACAAATAATC ACAAACCTAG
164551 TGCTTAAGC AATGCAAATG GACTCTCTTA CAGCTCTGGA GATTAAAGT
164601 CCAAGATTGG TCTCACTGGG CTAAAATCAA GATGTCAGT GCCTGCATT
164651 CTTCTGGAGG CTCTAGTGAC CTTGCTGTTT CCAGCTCATA GAGCTCCTGC
164701 ATTCCTGGTT TGTGCCCTCC TTTCTCTATT TTCAAAGCTA GCAACACTGG
164751 ACCAAGCCCT TCTGATGCTG CCATCTCTCT GGTTCCTCCT CTCTGTGCT
164801 GTGCCCTCTT CTATTTTTTAA GGACTCTTAT AATTATATTG GGCCACCCA
164851 GGTAAATCCAG GATGATCTCC CTATTTTTTAA GGCAGCTAAT TAACAATCTT
164901 AATTCTATCA ATCTTAACTC TGCTTTGCCA TGTAAGATAA CATATTCAAA
164951 AACTCTGGGG ATTAGGATGT GAACATTGTT TGGGGGTAT TATTCTGCCT
165001 ACTACAAATA CTCTGAATTC TGATAAAAAA AATACAATGT TAAAAAGAG
165051 AGTTAAGGAC AGTCTTTTCA ACAAATGATA TTAGGAAGAC TGGATATCTC
165101 ATGCAAAAGA ATAAAGCTAG ACCCTTACCT CATACCAAAA ATTAAATTA
165151 AAATAGATCA AAAACCTAAA ACTATAAAAA CACATAGAAG AAAGCTCATG
165201 ACATTGGATA TGACAGTAAT TTATTGATAT GACACCAAAA GTACCAGCAA
165251 CAAAAGAAAA CATAAACATG GATTTTCATCA AAATGAGAAA TTTTATGTA
165301 TCAAAGAACA GTATCAACAT AGTAAAGTGG CAACCCACAG AACGGGAGAG
165351 AATATTGCA AAGCACATAT CCAATAAGGG ATTAATATCC AGAATATATA
165401 AAGAACTCTT GAAACAACA ACAAATCAAA CAGCCCAATT AAAAAATGGA
165451 CAAAAGATTT GAATAGAAAT TTCTCCAAAG AAGATATACA GATGGCCAAT
165501 AAGCACATAA AATGATGCTC CATATCACTA ATCACTAGGA AAATGCAATT
165551 AAAAATCACA ATGAGATACG ACTTTACACC CATTAGAATG GCAACTATCA
165601 CAAAACAAAA TAACAAATGT TGGCCAGCAT GTGGTGAAAT TGGAACCCCTT
165651 ATGCACTGCT GGTGGGAATG TTAAGATGAG GTAGCTGCTG TATAAACAG
165701 TATGGTGATT CGTCAAAAAA TTAAACATGG AATTACCATA TTTTCCAGCA
165751 GTTCCACATG TGATTATATA CCTCCAAAA TTGAAAGCAG GGTCTCAAG
165801 AGATATTTGT ATACCGATGT TCACAGCAGC ACTATTCACC ATAGCCAAAA
165851 GGTGAAAAA ACTCAAATGT CCATTGATGG ATGAATGGAT AAACAAAGTA
165901 TAACATACAT ACAATGGAAT ATTATTAGC CTTGAAAAGG AAGAAAATT
165951 TGATACATGC CACCATGTAA TGAACCTTGA AGACATTATG CTACATGCAA
166001 TAAGCCAGAC ACAAGGGGAC AAATATTGCA TAATTCTGCT TTAATGAGCT
166051 ACGTATAGCA GCCAAATCA TAGAGACAGA AAGTAGAACT GTGGTTGTCA
166101 GGGTCTTGGG GGAAGGAAGT AATGGGGAGT TATTGTTTCA TGGTACAGAG
166151 TTTCCATTG GGAAGATAAA AAGTTCTGGA CAGGGATGGT GGTGATGGTT
166201 GCACAACAGT GTGATGGTGT GGTAAATCGC TGGTGTCCTC AGCTACTGAA
166251 TAAACTCTAG GTTAGCAGCT TTCAAACCTT TTGGCACCAG GACACCTTAA
166301 CACGCTTAAA AATTGCTTGG GACACTGAAG AGCTTTTGT TACATGGTTA
166351 TATCTATAGA TATATACCGT ATTAGAAAGT AAAACAGAAT TAAAAAATAG
166401 TCACTTAAAA ATAACAGTAA TAAATCTATA CATATTAACA TAAATTGCAT
166451 ACTTATCATG AAAGTTAACC ATGTTTCCA AAATAAAAAA TTTGTTTAAA
166501 GAAATGGTGT TAGTTTACAT TTTTACCTTT TTTTACGGA CTAGCCTAAG
166551 AGAAGGCAGT GGTAGTCTCA TATCTGCTTT GTATTTAGTC TATTGTGATA
166601 TTACATGCCA TATAGCCTTT GGAAAACCTG CTATTAATGA TAGGACAAGA
166651 GTGAAAAAGG CAAATAACAT ATTGGTATTG TTAGAGTTTG GACTTCCTGA
166701 GTCTCAGAGA CTTCCAGGGG TTCTCGGACC ACTGTTTGAG AACTTCTATT
166751 CTAGGCATAA AATGACACTG CAAGAGCTAG CATTAATAT TACAGGATAT
166801 CATGAATAAT TTCTCCATT GTTCTGCACT ATTAACAAT TTTAATAAAC
166851 TGGAAAAGGA ATAATGAAGC AATAGGAATC CATTTCAATA ATAGGGTATG
166901 TAAGGTAAAA GCCCTACTTT ATTTGAATTT CATGGGTGTG AAATCATTA

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166951 TAAACAGAAT TAATGTTTTC AGTGTATTG TAATGATCAT AAAATTCTAC
167001 ATTCTTACTG AGATTATGCA CTTTTATGCT TTAATAGATA TCATTTTATG
167051 TGCTAAGTAG GTAGGTGCAA GATCTTGAAA TTGTTGGGGG GCCTCCTATG
167101 GGGATAATTG TGTGATGAAG TACAATCATT TACTTAAATA TTTCTCCCAA
167151 GAGTTTGAGA GTTTCTAAAT GAATCAGCCA AATGCCTGGC TCCAGCATTC
167201 ACTAGGCACA GCAGTTTTTC ATCACTGAAG AATCTCAAAT AAGATGCAAT
167251 TGCCTGATAA ATAATTTTGT GTTACTTGTC AACTTTTCAA AAAAATAGTC
167301 CTTGGAAAGC TGTAGTATCA GCAAATGCAA TCAACACATT ACAGCAAGTT
167351 GATTTGCAGG TTTATCGTCA TGGAAATAAA ACTTTCAGAC ACTGGGAGGT
167401 ATGGTGACAG TGAAATGTTT TTCTGCCCCT AGTGGCATGG ATTTTCAGAGA
167451 ATATCTTTAG ATGGATTGCT CTATGTCAGC ATTGACAAAT TGCAAGTATA
167501 GTTTTATTTC AGTTTTCCCA GTTATATTCT TAAATGAATG TATTCCTTTT
167551 GTTGTTTAAT TTTCTCTTGT AAAGATATAT AGTTATTTTT AGTCGAATAG
167601 CTTATGAAAA ATTAGGTGTA TTTGACAAAG ACACCTAATG TACAATTGGA
167651 ATAAATGCAG TTCTAGTTGA ATGTACAGCA ATAGTATGAT GGGCCCAAAT
167701 TTATATTTCT ATATATATGC ACCTCTTCCA TTGTCAAGAT TTATTACATC
167751 CTAGAGAGTT TTCTAGGTGT TTTCAATAGG ATCCTATAAA TTCAGAACTT
167801 GGAGTCAGAA ATGCATAATA TTTCTTACT TCAACATTGA TAATGTTTCT
167851 CTTCCCCACT GTTCAAAATA GTCATTTTCA TTTTTTGAGT GAAGCCACAC
167901 AATATGTACA CTATTTACAT TGTTTTTATA AATTTATATT TTATAATTAA
167951 ATAATTATCT CAACATTTTA ACTGTGAACT TTGTGTTTTA AATTGAGTTT
168001 TAACAAATGA TTAGGAGAAA CTACAACATT TATTAATATC AAAATATATT
168051 TTCCCTTTT TTGTTTCTAA GAAACTGTCA TCCTACCGAT CATGCAACTG
168101 AATGCATCTT TTCAAGTTTG TTTTCTTATA TAGGAAATAT AAAGCAAGAA
168151 GTCTGCATGG TATAGTAAGA ATCAAGAGAT ACAGAGTGAA AAGATCTGAG
168201 GTTGAATCTA GCCTTCCTAC ACTGGCTGTG TGATGTCAGA CAAGTTCTGA
168251 AACTTTCCCA AGTTTCAACA CTGTCATCTA TAACATGGAT TCTGAGGTAC
168301 TATTACCAGG CTGCTCATGG TAATGAGCGT GGTAAGAACC TCCAGTTGCC
168351 CAACGCTGAG GAGCCCTCAT CTCATCTCAA GTGCTGCATT TGCCTCCAGC
168401 TAGTCTCCTG CCCGCAACGA GTTCATTCTC TACATGCCTA CCAAAGTGAT
168451 CTTTTAAAAA TGTAAGCAG AGTTTGCCAT TGCTTGCTTG AAACCTCTAT
168501 TAGCTTTCTG TTGTGTGTAG GATATACAAC AGAAAACTT TCACGTGGCC
168551 TATAAGGCCC CTGCCTGCTT GCTCTTCCCC ACCCCTCCTC CAACCTCACC
168601 CCATGCTACT AACTCCATC TCACTCCTGT TATGGTGACC AGCCATCCCA
168651 GTTTGCCTGA GATTTTCTTA GTTTAAGCAC TGAAAACAAG AATGATTGCC
168701 CACTACATCA CTGATAGTCC AGCCATATTG TTCTCTGGGT GTGCCACAT
168751 CTTTCCCATC TTTGAAATGT CTGTTTGTCT TGGAAGCCAC ATCATATGCC
168801 CTCACCATGT ACCTAGTTCA TGCCTATCCA TCCTTCAGGC CTCAGTTTAA
168851 AGGGCCTATT TGCAGAGAAT CCTTCCCTGA GTCACAGATA TAAATTAGAT
168901 CTCATGTGTT ATTCTTATAT TAGCACCCGC AGGGCTACTG CATAAGTTG
168951 TGCCTGCTGT GTGCTGCACA ACATCAGGGA CCTCCATAGA TGATGTGAAG
169001 GTGGTCCCCG GAGTTGTACC ATGAGTTGAT GCTGAAACAG TTCTTTTCTT
169051 TTATAGACAC TTTGTCAAGT GTGGTACATA TAATGTCTAC AAATTGTATA
169101 TATAAAGAAT ATATATTTCA GAATATATAT ATATATATAT ATATATATAT
169151 ATATAAAATT GAAGAAATTT TTATACACCC TATTGGTATG TAAGTTTCAT
169201 AAGTGTAGGA GCTCTGTCAA TTTTGATAAT TTTTATACCC ATTAACCGTA
169251 CAGTTAGTTA TTTGTAATAA GCGTCCGATA AATACTTGCT TAATGAATGA
169301 ATGGGAGCGT ATTTTATGTG GGTGTTGGTGA CTATTATATG TGATAATATA
169351 TTGAAAGTCC TTTGTAAGTT ATTATTATTT ATGATAAATA TTAAATAGAA
169401 TATGAAAAAT GATTATTAGT ACAATATCTA GGTTCTACTG TGATATAAAA
169451 CTCTTAAATG TCTTTTCAAA TACTCTATTA GCAGTCCTTA AGATTTTCCA
169501 GAGATATGCA ATGATAAGCA GATCAATGGA GCAAAGTAAA GAATCCAGAA
169551 CATTGCCTAA ATATGAGTTT AGTATATACA AATGCATTGT TTTATTTAGT
169601 GAAGAAAGAA GACATATTTA AATAAGTAGT CTTGGAAAAA TTGCCTGTTT
169651 GGAAAAAAA TAGATTCTTA CTGTATAACA CACACAAAAA TAAATTTTCA
169701 TGAATTAATA ATTTAAATAT TTAAGATATG AAACAAATAA TAAAAGAAGA
169751 TATTGAAGAA TAACCTCATA TTCTTGAGT AAGGAATTTT TTTATAATTA
169801 TGAAATAAAC CCAGAAGTCA TAAAAGACTT ACAGAATTGC CTATTTAAAA
169851 ATGCGAAATT TCTTTTTCCT TTTTCTTTTT TTTTGTAGAC AGTGTCTCAC
169901 TCTGCCACAC AAGCTGGAGT AGAGTGGCAT GATCTTGGCT CACTACAACC
169951 TCCACTTCCC TGGTTCAAGT GATTCTCCTG CCTCAGCCTC CTGAGTAGCT
170001 GGGACTACAG GTGGTGCCAC CACGCTGGGC TAATTTTTGT ATTTTATGTA
170051 GAAATGGGGT TTCACCATAT TGGCCAGGCT GGTCTCGAAC TCTTGACCTT

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170101 GTGATCCGCC CTCCCAAAGT GCTGGGATTA CAGGTGTGAG GCACCATGCC
170151 TGGCCACAAA ATTTCTTTTC TTTTCTTTTC TTTTTTTTTT TTTTGTCTGT
170201 TGCAAGATTT AATAGAGTGA AATAGAGTGA AAACAGAGCT CCCATACAAA
170251 GGGAGGGGAC CCAAAAATGG TAGCCATTGC TGGCTCCAAT GCCTGGGTTT
170301 ATAACCCCAAT CATTGTCCCT CCCACTGTGT TCTCAGGCGA TAGATGATTG
170351 GCTATTTCTT TACCTCCTGT TTTAGCCTAG TTACCATTTT AGTGAGCTCT
170401 CTTTCTACC TGATTGGTCA GGTGTGAGCT AAGTTGCAAG CCCCAGGTTT
170451 AAAGGTAGAA GCAGTCACCT TCCCAGCTAG GCTTAGGGAT TCTTAGTCAG
170501 CCTAGGAAAT CCAGCTAGTC CTGTCTCTGA GTACCCCTC TCAACAGGAA
170551 AACCCAAGTG CTGTTGGGGA GGATGGCCGA TGACTGCTCT AACTGCTTCC
170601 TGGTGAATTG GGGCGTAGTG GGGGTTATGC AGTTGAGATT TCCTCTGGAG
170651 GGGTGCCTTC GAGTCATTA ACATCGGAGC ATGGGCTAGC AGGCCGGTCC
170701 AGGGGTCTGC GGTAGATCTT AGTCATGGAC TCGCTCTGGG GCTCCATTTG
170751 AAGAACAATT TGAGTTTTTA GAGCTTCAAT TTTGGAAGAG ACAAACCTAA
170801 CAAGGAGGTT AAAGATACAG GGATTGAAAT GTATGGCCTG AAGTGCAGGG
170851 GATTATTTCT TTGGGACACT TCACAGGCCC TGACTATCTG CTTGATAGTT
170901 TTGAAAAGGC CTGGCCAGT AAATAATAAT TTGGCCATCT GATGGGTACT
170951 ATCAATGCCT AAGTGAAGG TTAGGTGAAG GGTTTTAAGT AATTTCTATT
171001 GGTTAGCTGC AGGCCAAAATA TTTTCTCTTC TCTGGTGGCT AGCCATCTGG
171051 AGGGGAGGGA AGTATGTCCT CGTGAGGTTT CCTATTCTAT TTTTCTGCT
171101 GAGTACTGGG ACTTGGTTTC CCGAGTGGA TTACCCATA CTAGGGGTCC
171151 TTCTATAAGC ATTTCTAATG GAGGGTCCTG CCTTGCAGCT CTTTGTACTT
171201 CAATATCTGC TTGGCGGTTT CCTTCTATTT CCCTTTCCTT TCCTTTCTGA
171251 TGATGATGGC AGTGAAGAC TGCCACCTCT TCAGGTTTCT GTACAGCCAA
171301 TAATAATCTC CTAATGGCTT CTGATGTTT GATAGGTGTT CCCTCGAAAT
171351 TAGGAATTCC CTTTCTCTCC ATATTGCTGC ATGGGCATGG AGGACTAGGT
171401 AAGCATACTT AGAGTCTGTA TATATATTTA CCCTTTTTCC CTTCTCTAA
171451 TTCTAGTGCC CGAGTGAGGG CTGTTAGTTT TGCCAGCTGA GCACTAGTTC
171501 CTGGAGTGAG GGGTTTACTT TCAAGTATTC CATTATCACT GACCACTGCA
171551 TACCCTGCTT TTCAAAGTCC TTTTCTACA AAGGAACTTC CATCAGTATA
171601 CAAGCTGAGG TCGGGATCAG TCAAGGGACC CTCTAAAAGG TCCCTTCAAG
171651 TGGCATAGGT TTGAGCAATT ACTTGTGAC AGTTACATTC TATCTTTTCT
171701 TCATTGTCTG GAAGAAATGT GGCTGGGTTA AGAGTTGCAC AAGTGCGCAG
171751 TCACAGCACT GGACCTTCAA GTAATAGAGC CTGATATTTA AGTAAACAGT
171801 TGTCTGACAG CCACAAGTCT CCTTAGCAG TGAGTATGCC ATTCACATCA
171851 TGAGATGTCC ACACAGTAAG ATCTCTTCCC TGTATCATTT TAACTTTTTC
171901 AGATACTAAG ACTGCTACTG TCGCCAATAC CCGTAAACAA TGTGGCCAAC
171951 TCTTTGCCAC TACATCAGTT TCCTTACTCA GGTATGCCAT GGGTTGCAAG
172001 CTCATCCCTC GGACCTGTGT AAGGACTCCT AGAGCTATTC CTGTTTTTTC
172051 TGTGACTTAT AAAGAAAAGT CTTGTCCCGT TGGCAAGCTT AACGCTGGGG
172101 CTTGGGTTAG GGCCTTCTTT AGAGCCTGGA AAGCTGCTTC TGCCTCAGGT
172151 GTCCATCTTA CTAAATGGGT ATTGGCTTTC TGAGTTTCCT TAATTATATA
172201 ATGTTCTGGC TATTTCGCCG TACCTGGGAA TCCATATTCG GCAGAAACCT
172251 GTTATGCCAA GGAGCCCTT TAGTTGCTTT AGGGTTTTTG GATGAGGACA
172301 AGCCAGTATA GGCTGGATA GTTCCTCACT GAGTGCCCTG GTGCCTTTGG
172351 ATAATTTTGC CCCTACGTAT TTAACCTGCT ATGAGCAGAG CTGAGCCTTT
172401 GGTTTGGAAA CCTTGTAGCC ACAGGTAACG AGGAAATTTA GCCTTGCCGC
172451 AAAATTTCTA TATAGCAAAA GACATAATAA AGATAAAAGA CAAATGAGAA
172501 ATAACAAATT AAGAAAACAT TTGCAATTCT TACAATATAT ACAGGTTATA
172551 ATGTATAAAA TATATGTTCT ACCTACCCCT TTAAATTAGG AAAAAAGAA
172601 AACCCAACAG AAAAAAGAGC AGAGGAAATT ACCAATTTCA TGAAGAATCT
172651 CACAAAAGGC TAATAAAGG TGATTCAACC TTATTAAATA AATAAAAATA
172701 AAATAATAAT ATATCACAGT TTTGTAACAA TGGAAAGATT TACAAGACAG
172751 AATATACAAAT GTTAACAAAA GTGTGGGGGA AAACAGGACT TTTATACATT
172801 GTTGGTAAAA TGCATAATAG TTTTGAAGAA ATATTTTACA ACTTTTTTAA
172851 AAATTAACAT TTTTATTCAA CAGTTTTTTA AAAAATATCA TATGTAAAGA
172901 ACTCTCTGGG TGTGAGAAAT ACAATGCTTT TTTTTTTTAA GTCCCTAACC
172951 TCTTGGAAATA TAACATTCTG GAGGAGAAGT TAGAAAAATGA ACAAAAAACT
173001 ACAAATAGAA GTAAAATATA ATATCTTATA AAACACAGTG GCATTCTACT
173051 TCTGATAATG TAGGCTGGGT AATGCCAGCA AGATTTAGT AGATTAGACT
173101 AGACTAGTTT TCATAAAGCT TATATACCAC TAAAGCAGAA ATTAATGAAC
173151 TGAAAGAAAG GTGAGAATAC ATTAGAATAC TGAGAGTAAA AACAGGGAAT
173201 TACAGAAGAA AGGGCAAAAG ACCGGGGAAA CACAGTGAGA TCTAATATCA

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173251 CTTAACTGAA GTCTCAGAGA GAAACAGTAT TTCAGGAAAT AACAGGGGAA
173301 AATTTTCCAG AATTGATGGA TATCATTCAA TAGATTCAAG AGACTGAAGA
173351 ATACCGAGTA ACAAATACAA GAAATCTATA GCTTGATATA TCATATTAAA
173401 ACTTCAGACA ACCAAAGATG TAGAGATTCT TGAAAGAATC CAGAGAAAAA
173451 CCAATAAATT ACTTTCAAAC AAGTGACAAG GAACTAATT GCTAATCTAA
173501 ATAGCAATAA AGAAACGCAT AAGTAATTGA CATCTTCTGT GTACTGAAAG
173551 AAAGTAACTT CCAACCTGTA ATTCATAGAG TAAATCAAGG TAATGAAAAAT
173601 TAAAGTCCAC ACTGAGATAC CACTACGTAC CACTCAGGAC AAAAATGTAA
173651 AAGTTTGATA ATACCAAGTG TTGTTAAGGA TGTGGAACTA CAAAGACAAA
173701 TTATGCTTCC ATTAAGTGGT GGAGTATAAA TTGATGCCTC TTCTTTGGAA
173751 AATAGCTCTT GGCATCTTCT AATAAAGATG CATACCCTAT GACTCAATAA
173801 TTTTACTCCT GGGTGTATTC CTTAGAAACA TGTATGCTTA TGTGTGAAC
173851 CAGCCCAACA GTCTATAGA CAATTGTTTT GGGATAAACA TAGAAATTGA
173901 CCCTTCTGCT CTAAAGCTT GAAACTTGTC TTTGTTTTAT CTGAGTTTCT
173951 TTCTCAGGAA AGGACTATCA GGCCTCTCAA AAAAGTATCA AAGAACCAAA
174001 ACTCACCAGA TGCCTCAAGC CCCCCTGTAG TTCTTGCTTT CTTACACATT
174051 GTTACATTTT TTCCCTGCTA TATAAACCCCT AGAGTTAGTG AGCCAGGGAG
174101 ATGGAATTGA GGCTGAGCTC CCATCTTTTT GGCTGCAGCA CCCGATTAAA
174151 GCCTTCTTCC TTGGTGTACT CATTGTCTCA GTGATTGGCT TTCTGTGCTG
174201 CGAGCAGCAG GACCTAGACC GAACCCCTGG TGTTCGGTA ACATGTGCAC
174251 CAGGAGACAT ATACAAGAAT GCAGTAATAG CCTCTAGAAA CAATGAAATG
174301 CCTATTAATA GCATAACAA TAAATTATAG CATATTCTTA CAATGGGATG
174351 CTCTATAGCA ATAAAAGTAA ATGGACCTCA GCTCTCTGTA ACAACATAGA
174401 TAAATCTTGT AGACATGATA TAACTAAAAG AAGCAAGATA TGAAAGATTC
174451 CCTAAGATAT AATTTCTTTT ACATAACCAT TAAACCAGAT AAGCCAGAGT
174501 ATATCATTTA GGAATTATAT ATATAACTAT ATATATATAT ACTTTCATAT
174551 ATATATATAT ATGAAACTAT AAAGAAAAGC AAGGACGTGC TTACCATAAA
174601 AGTTAAAAA TTGGTTATTT CTAGAGTGAA AAGCAGGCTT ACAAATAGGA
174651 AGGGATGTGG AATATCGGAA TGTGGGTGAT GCATTTGGGC CACTGGTTAA
174701 TTTTAAGTTT CTCGACCTAT ATAGTAGTTT TGCAAGTATT TGCTTTATAT
174751 TTATTATATT GCACTTCTTT GGTATTGTTT GGGAGGTATC ATTTTAGTAG
174801 AAACAAAGGA AATGAGAGAG CAACTCTGT ACATATCTAG GGGAAATGTT
174851 CTCTCTGACA GAAATGTGCC TCTCCTTTTA CCCAGCATTT TCTTGTAGTA
174901 GTTTATCATC CAGAAATACC TCTACAACT TTGCAAAGTT ATGTGTTTCA
174951 CACAACATTG AAGTGTGTA GTAAATTTAG GTTGAGAGTT TATCATGAGT
175001 GGAGATTTTT CTCTGAGCAA ATGCTAAACA GCAGGTTGTA GGAATGTCCC
175051 TCCAGTCATT TTTTCTTTCT TTCTGGCAGG CATCCTGTAT AACTACTCCA
175101 GACCAATTTA ATGTTAATTT CTCATGAAAT CCTACAGCAC ATGAGAAATG
175151 TAAATTCAGA TTTTATTTTT ATTTATTTTT ATTTTGAGAC AGAGTCTCGT
175201 TCTGTCGCCC AGGCTGGAGC GCAGTGGCAC AATCTCTGCT CGCTGCAATC
175251 TCTGCCTCAC CGGATTCAGC CGATTCTCTG CCTCAGCCTC CTGAATAGCT
175301 GGGATTGTAG GTGTGCACAA CCACACCTGG CTAATTTTTG TATTTTTAGT
175351 AGAGACGGGG TTTCACCATG TTAGCCAGGA TGGTCTCGAT CTCCTGACCT
175401 CATGATCCAC CCACCTTGA CTCCCAAAGT GCTGGGATTA GTGTGAGCCA
175451 AGGGTCCATT CCAAGAGGGC GGAATAGGAA CAGCTCTGGT TTGCAGGTCC
175501 CAGCATGATC AACGCAGAAG ACAGGTGATT TCTGCATTTT CAACTGAGAT
175551 GCCTGGTTCA TCTCATTGGG ACGGGCTGGA CAGTGGGTGC AGCCACGGA
175601 AGGCAAGCTG AAGCAGGGCA GGGCATCACC ACACCTGGGA AGTGCATGGG
175651 GTCAGAGGAT TTCCCTTTCC TAGCCAAGGG AAGCCCTGAC AGACTGTACT
175701 GGGAAAATCG GGACACTGCC ACCTAAACAC TGCATTTTTA CAATGGTCTT
175751 AGCAAACGGC ACACCAGGAG ATTATATCCA GCACCTGGCT CAGCAGGTCC
175801 CACGCCCATG GAGCCTTCCT CACTGCTAGT CCAAGATCAA ACTGCGAGGT
175851 GGCAAGCCTG GCATCTAAGA CACCAAAAGC AATAGCAACA AAAGCCAAAA
175901 TAGACAAATG GGATCTAATT AACTAAAGA GCTTCTGCAC AGCAAAAGAA
175951 ACTACATCA GAGTGAACAG GCAACCTACA GAATGGGAGA AAATTTTTGC
176001 AATCTACCCA TCTGACAAAG GGCTAATATC CAGAATCTAC AAAGAATTTA
176051 AACAAATTTA CGAGAAAAAA ATCAAACAGC CCCCTCAAAA AGTGAGCAAA
176101 GGATATGAAC AGACACTTCT CAAACGAAGA CATTGCGCA GCCAACAGAC
176151 ACATGAAAAA ATGTTTATCA TCACTGGCCA TCAGAGAAAT GCAAATCAAA
176201 ACCACAATGA GATACTATTT CACACCAGTT AGAATGGCAA TCATTAAAAA
176251 GTCAGGAAAC AACAGGTGCT GGAGAGGATG TGGAGAAATA GGAATACTTT
176301 TACATGTTG GTGGGAGTGT AAAGTAGTTC AACCATTGTG GAAGGCAGTG
176351 TGGCGATTCT TCAGGGATCT AGAAGTAGAA ATACCATTTG ACCCCGTGAT

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179551 GATGACAATG ATTTTCTGAG AATGACTGAG GAGAACTCTA CCAGAAAATT
179601 GTAGACAGTT TACCATGAAT ACTTAGAGAT AAAGAGCTTT TCCAGATAGG
179651 CTGTAAGATA TAGTAGTTGC AAGTTTCTAT TTGTTAAGAA ACTGTTTTTA
179701 TTTTAAACT TAACAAAGGT TTAATAGCTT TAACATTTAA AAAATTTATG
179751 CACAAATACC TTGGTCCTAA GCCAAATATT AACAAGTCAC AGAGCAAAAA
179801 GTAAACACGC TAATAAAAAT ATTAGAATCG TTAGAGTTCA CTCTTAATTT
179851 TTAAAATTCA ATTAATAATGA ATACAATAAC ACATTTATCT ATCACACAAG
179901 CAAAAATTAA AGTAAGAAAC AATAAAAATA TGCATCACTA GAGGGCTAAC
179951 ATTACAGGTA CTGCATCATT CCCTTAACAT GCATTGTTTT ATTTATTTAT
180001 TTTTTTATTA TACTTTAAGT TCTAGGTAC ATGTGCACAA CGTGCAGGTT
180051 TGTTACATAT GTATACATGT GCCATGTTGG TGTGCTGCAC CCATTAAGCT
180101 GCACCCATTA AGTCATCATT TATATTAGGT ATTTCTCCTA ATGCTATTCC
180151 CTCCCCATC CCCTCACCCC ACGACAGGCC CCACCCTGTG TCTAAGTGTT
180201 CTATTGTTTC AATTCCCACC TATGAGTGAG AACATGTGGT GGTGTTTTT
180251 CTGTCCTTGT GATAGTTTGC TGGGAATGAT GGTTCACAGC TTCATCCATG
180301 TCCCTACAAA GGACATGAAC TCATCATTTT TTATGGCTGC ATAGTATTCC
180351 ATGGTGATATA TGTGCCACAT TTTCTTAATC CAGTCTATCA TTGATGGACA
180401 TTTGGGTTGG TTCCAAGTCT TTGCTATTGT GAATAGTGCC ACAATAAACA
180451 TATGCGCACA TGTGTCTTAA TAGTAGCACG ATTTATAATC CTTTGAGTAT
180501 ATACCCAGTA ATGGGATGGC TGGGTCAAAT GGTATTCTA GTTCTAGATC
180551 CTTGAGGAAT CGCCACACTG TCTTCCACAA TGGTTGAACT AGTTTACAGT
180601 CCCACCAACA GTGTAAGT GTTCTGGCT GGGCACGGTG GCCCATGTCT
180651 GTAATCCCAG CACTTTGGGA GGCTGAGCG GGTGGATCAC GAGGTCAGGA
180701 GATCGAGACC ATCCTGGCTA ACACGGTGAA ACGCTATCTC TACTAAAAAT
180751 ACAAAAAATT AGCTGGGCGC GGTGGCAGGC ACCTGTAGTC CCAGCTACTC
180801 AGGAGGCTGA GGCAGGAGAA TAGCATGAAC CCAGGAGGCT GAGCTGCGAG
180851 TGAGCCGAGC CTGGGTGCAC TCCAGCCTGG GTGAAAGAGT GAGACTCTAT
180901 CTCAAGAAAA AAAAAAAGTG TTCCTATTTT TCCACATCCT CTCCAGTACC
180951 TGTGTTTTTC TGACTTTTTA ATGATCAACA TTCTAACTGG TGTGAGATGG
181001 TATTTTCATT TGGTTTTGAT TTGCATTTCT CTGATGGCCA GTGATGATGA
181051 GCATTTTTTC ATGTGACTGT TGGCTGCATA AATGTCTTCT TTTGAGAAGT
181101 GTCTGTTTCT ATCCTTTGCC CACATTTGAT GGGGTTGTTT GATTTTTTCT
181151 TGTAATTTTG TTTAAGTTCT TTGTAGATTC TGTATATTAG CCCTTTGTCA
181201 GATGGGTAGA TTGCAAAAAT TTTCTCCCAT TCTGTAGGTT GCCTGTTTCA
181251 TCTGATCGTG GTTTCTTTTG CTGTGCAGAA GCTCTTTAGT TTAATTCGAT
181301 CCCATTTGTC TATTTTGGCT TTTATTGCCA TTGCTTTTGG TGTTTTAGTT
181351 ATGAAGTCCT TGCCCATGCC TATGTCCTGA ATGGTAATGC CTAGGTTTTT
181401 TTCTAGGGTT TTTATGGTTT TAGGTCTAAC ATTTAGGTCT TTAATCCATC
181451 TTGCATTAAT TTTTGTACAA GGTGTAAGGA AGGGATCCAG TTTCAGCTTT
181501 CTACATATGG CTAGCCAGTT TCCCAGCAC CATTTATTAA ATAGGGAATC
181551 CTTTCCCCAT TTCTGTGTTT TGTCAGGTTT GTCAAAGATC AGATGATTGT
181601 AGATGTGTTA TTATTTCTGA GGGCTCTGTT CTGTTCCAAT GATCTATATC
181651 TCTGTTTGG TGGCAGTACC ATGCTGTTTT GGTACTGTA GCCTTGTTAT
181701 ATAGTTTGAA ATCTGGTAGC ATGATGCCTC CAGCTTTGTT CTTTTGGCTT
181751 AGGATTGTCT TAGCAATGTG GGCTCTTTTT TGGTTCCATA TGAACTTTAA
181801 AATAGTTTTT TCCAATTCTG TGAAGAAAGT CATTGGTAGC TTGATGGGGA
181851 TGGCATTGAA TCTATAAATT ACCTTGGGCA GTATGGACAT TTTCACGATA
181901 TTGATCTTTC CTATCCATGA GCATGGAATG TTCTTCATT TGTGTTGTC
181951 CTCTTTTATT TCGTGGAGCA GTGGTTTGTA GTTCTCCATG AAGAGGTCCT
182001 ACACATCCCT TGTAAGTTGG ATTCCTAGGT ATTTTATTCT CTTTGAAGCA
182051 ATTGTGAATG GGAGTTCAT CATGATTTGG CTCTCTGTTT GTCTGTTATT
182101 GGTGTATAAG AATGCTTGTG ATTTTTCAC ATTGATTTTC TATCCTGAGA
182151 CTTTGCTGAA GTTGCTTATC AGTTAAGGA GATTTTGGGC TGAGACGATG
182201 GGGTTTTCTA AGTATACAAT CATGTCGTCT GCAAACAGGG ACAATTTGAC
182251 TTCTCTTTT CTAATTGAA TACCCTTTAT TTCTTTCTGT TGCCTGATTG
182301 CCTGGCCAG AACTTCCAAC ACTATGTTGA ATAGGAGTGG TGAGAGAAGG
182351 CATCCCTGTC TTGTGCCAGT TTTCAAAGGG AATGCTTTCA GTTTTTGCCC
182401 ATTCAGTATG ATATTGGCTG TGGGTTTGTG ATAAATAGCT CTTATTATTT
182451 TGAGCTACGT CCCATCAATA CCTAGCTTAT TGAGAGTTTT TAGCATGAAG
182501 GGCTGTTGAA CTTTCTTGAA GGCTTTTTCT GCATCCGTTG ATGCAGAAAA
182551 GAGATAATCA TGTGGTTTTT GTCTTTGGTT CTGTTTATAT GATGGATTAT
182601 GTTTATTGAT TTGCATATGT TGAACAGCC TTGCATCCA GGGATGAAGC
182651 CAACGTGACC GTGGTGGATA AGCTTTTTTG ATGTGCTGCT GGATTGTTT

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182701 TGCCGGTATT TTATTGAGGA TTTTGTATT GATGTTTCATC AGGAATATTG
182751 GTCTAAAATT CTCTTTTTTT GTTGTGTTTC TGCCAGACTT TGGTATCAGG
182801 ATGATGTTGG CCTTGTAATA TGAGTTAGGG AGGATTCCCT CTTTTCTAT
182851 TGATCTATTG ATTGGAATAG TTTCAGAAGG AATGGTACCA GCTCCGCTTT
182901 GTACCTCTGG TAGAATTTGG CTGTGAATCC ATCTGGTCCCT GGACTTTTTT
182951 GGTGGTAGG CTATTAACCTG TTGCCTCAAT TTCAGGGTCT GTTATTGATC
183001 TATTCAGGGA TTCAACTTCT TCCTGGTTTA GTCTTGGGAG GGTGTAAATG
183051 TACAGGAATT TATCTATTTT TTTTATATTC TCTAGTTTAT TTGCATAGAG
183101 GTGTTTATAG TATCCTCTGA TGGTAGTTTG TATTTCTGTG GGATTGGTGG
183151 TGATATCCCC TTTATCATTT TTTATTGTGT CTATTTGATT CTTCTCTCTT
183201 TTCTTCTTTG TTAGTCTTGC TAGCATCTAT CTATTTGTGT GATCTCTTCA
183251 AAAAACCAGC TCTTGGATTC ATTGATTTTT TGAAGGTTTT TTTGTGTCTC
183301 TATCTCCTTC AGATCTGCTC TGATCTTAGT TATTTCTTGC CTTCTGCTAG
183351 CTTTGAATG TATTTGCTCT TGTCTCTCTA GTTCTTTTAA TTGTGATGTT
183401 AAGGTGTCAA TTTTAGATCT TTCCTGCTTT CTCCTGTGGG CATTTAGTGC
183451 TTTAAATTTT CCTCTACACA CTGCTTTTAA TGTGTCCAG AGATTCTGGT
183501 ATGTTGTGTC TTTGTTCTCA TTGGTTTCAA AGAACATCTT TATTTCTGCC
183551 TTCATTTTGT TATTTACCCA GGAGCAGGTT GTTCGGTTTC CATGTAGTTG
183601 TGTGGTTTTG AGTGAGTTTC TTAATCCTGA GTTCTAGTTT GATTGCACTG
183651 TGGTCTGAGA GACAGTTTGT TATAATTTCT GTTCTTTTAC GTTTGCTGAG
183701 GAGTGCTTTA CTCCAACCTA TGTGGTCAAT TTTGGAATAA GTGCAACGTG
183751 GTGCTGAGAA GAATGTATAT TCTGTTGATT TGGGGTGGAG AGTTCGTAG
183801 ATGTCTATTA GGTCTGCTTG GTGCAGAGCT GAGTTCAATT CCTGGATATC
183851 CTTGTTAACT TTCTGTCTCA TTGTTCTGCC TAATGTTGAC AGTGGGGTGT
183901 TAAAGTCTCC CATTATTATT GTGTGGGAGT CTAAGTCTCT TTGTAGGTCT
183951 CTAAGGACTT GCTTTATTAA TCTGGGTTCT CCTGTATTGG GTGTATATAT
184001 ATTTAGGATA GTTAGCTCTT CTTATTGAAT TGATCCATTT ACCATTATGT
184051 AATGGCCTTC TTTGTCTCTT TTGATCTTTG TTGGTTTAAA GTCTGTTTTA
184101 TCAGAACTA AGATTGCAAT CGCTGCTTTT TTTTGTTTTC CATTGCTTAA
184151 GTAGATCTTC CCCCATCCCT TTATTTTGAG CCTATGTGTG TCTCTGAATG
184201 TGAAATGGGT CCCCTGAATA CAGCACACTG ATGGGTCTTG ACTCTTTATC
184251 CAATTTGCCA GTCTGTGTCT TTTAATTGGG GCATTTAGCC CATTACATT
184301 TAAGATTAAT ATTGTTATGT GTGAATTTGA TCCTGTCAAT ATGATGTTAG
184351 CTGGTTATTT TGCCCACTAG TTGATGCAGT TTCTTCCTAG CATTGATGGT
184401 CTTTACAATT TGGCATGTTT TTGCAGTGGG TGGTACCAGT TTTCCTTTCC
184451 ATGTTTAGTG CTTCCTTCAG GAGCTCTTGT AAGGCAGGCC TGGTAGTGAC
184501 AAAATCTCTC AGCATTTGCT TGTCTGTAAA GTATTTTATT TCTCCTTCAT
184551 TAGTGAAGCT TAGTTTGGCT GGATATGAAA TTCTAGGTTG AACATTCTTT
184601 AAGAATGTTG AATATTGACC CCCACTCTCT TCTGGCTTGT AGAGTTTCTG
184651 CTGAGAGATC TGCTGTTAGT CTGATGGGCT TCCCTTTGTG GGTAACCCAA
184701 CCTTTCTCTC TGGCTGCCCT TAACATTTTT TCCTTCATTT CAACTTTGGT
184751 GAATCTGACA ATTATGTGTC TTGGGGTTGC TCTTCTTGAG GAGTATCTTT
184801 GTGGTGCTCT CTGTATTTCT TTAATTTGAA TGTGGCCTG CCTTGCTAGG
184851 TTGGGGAAGT TCTTCTGGAT AATATCCTGC AGAGTGTTTT CCAACTTGGT
184901 TCCATTCTCC CCGTCACTTT CAGTTACACC AATCAAACAT AGATTTGGTC
184951 TTTTCACATA GTCCCATGTT TCTTGGAGGC TTTGTTCAAT TCTTTTTACT
185001 CTTTTTTCTC TAAACTTCTC TTCTTGCTTC ATTTCACTCA TTTAATCTTC
185051 AACCCTGAT ACCCTCTCTT CCACTTGATG GAATCGGCTA CTGAAGCTTG
185101 TGCATGCGTC ACGTAGTTCT TGTGCCATGG TTTTCATCTC CCTCAGGCCG
185151 TTTAATGTCT TCTCTACACT GTTTATTCTA GTTATCCATT CTTCTAATCT
185201 TTTTCAAGG CTTTGTAGCT CCTGGGTTCC AACATCCTCC TTTAGCTTGG
185251 AGAAGTTTCT TATTACCGAT CTTCTGAAGC CTAATTCTGT CAATTCGTCA
185301 AAGTCATTCT CTTCCAGCT TTGTTCAAGT GCTGGCGAGG AGATGCGATC
185351 CTTTGGAGGA GAAGAGGCGC TCTGGTTTTT AGAATTATCA GACTTTCTTC
185401 TCTCGTTTCT CCCCATCTTT GTGGTTTTAT CTACCTTTGA TCTTTGATGA
185451 TGGTGACCTA CAGATGCGGT TTTGGTGTGC ATGTCCTTTT TGTGATGTT
185501 GATGCTATTT CTTTCTGTTT GTTAGTTTTT CTTCTAACAA CCAGGACCCT
185551 CAGCTGCAGG TCTGTTGGAG TTTGCTGGAG GTCCACTCCA GACCCTGTTT
185601 CCCTGGGTAT CACCAGCGGA GGCTGCAGAA CAGCAAATAT TGCAGAACAG
185651 CAAATATTGC TGCCTGATCC TTCCTCTGGA AGCTTCGTCT CAGAGGGGCA
185701 CCCGGCTGTA TGACGTGTCA GTCGGCCCCCT GCTGGGATGT GTCTCCCAGT
185751 TAGGCTGCTC GGGGGTCAGG GACCCACTTG AGGAGGCAGT CTGTCCATTC
185801 TCAGATCTCA AACTCCGTGC TTGGAGAACC ACTGCTGTCT TCAAAGCTCA

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185851 GTTGGAATG CAGAATCACC CATCTTCTGC ATCACTCGCG CTGGGAGCTG
185901 TAGACTGGAA CTGTTTCTAT TAGGCCATCT TTGTTAAGAA ACTGTTAATT
185951 ACCCTTGCCA AAAAGTCAAC ATCTAAATGT CAAGATGTTT CTTAGTACTA
186001 GAAGAGGCCT GGAATTCTAC TGTTAGGGAC TTTTGCAGCC TGCATGGAAG
186051 ATCTGAGTTC TGTTTGCAA CTTTATTCTC TGTCAGATTT CAAGTTGCAA
186101 AATAATTCTC CTGTTAGATC CTGTGATAGT TAATTTTATA TGTCTATTTG
186151 GCTAGGCCAT GGTAGTTTGG TCCATCACCA GTCTAGATGT TGCTGTGAAG
186201 GTGTTTTTAA GATGCAATTA ATATTTTAT ATCAGTAGAC TTTGAGTAAA
186251 GCAGATTACT CTTGATAATG TCATAATGTG AGTGGGCCTC ATCCAATCAG
186301 TTGAAAGCTT TAAGAGAAGA AGACTGATCT TCCCCAAGA AGAAGGAATT
186351 CTGTCTCCAG GGTCTCTTTG GACTTAAGGT TGCAACATTA ACTCTTTTCT
186401 GAGTGTCCAG CCTGTTGCCC TACCCTCATG GCCTACCTTG CAGATTTTGG
186451 ACTTGCCAGC CCCATAATT GCATGAATGT GAACCAACTC CTTAAACCCC
186501 CCATGCCACC CATCTCCACA CACACACACA CACACACACA CATCCCATCT
186551 TGCTGTGTTA AGTTTGCTC TTCACATTGG TGAGCCGAGA ATGTCCTTAG
186601 GCCAGCAAGC ATGTTCTAGC AGTTTCCTGA CTGCCTCCAG ATGGCCGGTT
186651 AACAGAAGGG TGCTGCCAAT GGGAGACAAA TGTTTTCCAG GAGACCAGAG
186701 GTGGAAGA GAAATTATGA TGTTAGGATT TTATTGAAGA GAAACTCTCA
186751 TTTGGCTTAC AAGGTGTTCT GTCTGCCAGC AATTATACAA GTTGCTAAGT
186801 GCATTCCAAT GTACATGACA GAAACTTTGT TAATGAGAAA ATACAACGAG
186851 AAAAAAGTAA AAGAGAGGAG GGAGAGGCCG CCTATGGTAG TAATTTAAAT
186901 CCTTCAGCTG TGGTGGTCTT AGTTAGAATC TTTCTTTTGT GCAAAATATT
186951 GGTGGCCAGC AACAGAAATC AGTGGTCTAT TCTTTTACTA CTCTAAGTGT
187001 GGTTTTGTTGGA CTAGCAGCAT CTCCATCACC TCGAAGCATG TCAGAAATGC
187051 AGAATCTCAG GCCCTACTCC AGTCCTGCCA ATCTGAACCC AGAGTTCATC
187101 AAGTTCCTCA GATGATTCAT GTGCACACTG GTTGTAATGC AGTACATGTT
187151 TTTGTCCCCC CAGATTCATC ATATTGAAAC CCTAATCCCC AGTGGGATGA
187201 TATTTTCGAA TGAGGCCTTT AGGAGGTGAT TTGGTCATGA GGGTAGAGCC
187251 CACAGGATGG GATTAGTTCC GTTGTAAGTA GAGACATGAG AAAGCTGGCT
187301 TCCTGTCTCT ATGTTTCCAT GCTCCTCCAC CATATGAGGA TACAAGAAGA
187351 GGACAGCAGT CTGCAAATCA GGAAGGGAGC CTTCAACCAG ACACTGAATC
187401 TGCCAGCACC TTGACCTTAG ACTTCCCAGC CTTCAAAACT GTGAGAAATA
187451 AATTTCTGTT GTTTAAGCCA CCTAGTCTAT AGTATTCTGT TACAGAAGCC
187501 CAAACTAACT AAGATATTGG TCTAGTTTAT TACTCCTTGT CGTAAATTTG
187551 TAAGTCTTAA TGCAGAAAAG TAACCTGAAA TCATTCAAGT CAGGCTCTGG
187601 TTTTAAGGTT GGTGAGTTAT CACCATCCCA TTCTACAGT AAGACACCTA
187651 AGGCCTGGGA GCTTAAACCA GTTGCTTAAA GTCATAGAAC GAGTTGTCTT
187701 CTGCCTCCAA ACACAGCACA TCCCCTATG TACCAAATTT TTCAGAGTCT
187751 CTGTGAAGTC TTTCTACATT TCTCCTTGAC AGAATGAATT TCCTGGCCTG
187801 AATTCATTTT TCTGAATTTG GGGGAGAAAA GACAAATGTT ACCTTGTCAT
187851 TTTGCTTTT ACTCTCTAAA GCAGGAAAGA AAAGTTTCAG GGAAACATTA
187901 CAGTTTTTCC TGAGGAAAAA TCATCTTGAC ATATAGGATA AAAGTGCAGA
187951 CTCTAGAGCT TGAGGAGAC CTATTTCCAA AAGGATCATG GAGCTTATTT
188001 CTGTCACGTG AATGTGCGTG CATGTGTGTG TGTGTGTGTG TGTGTGTGTG
188051 TAGCAGGGAG TGGAGAGCTT TTAGTACACT CAGTCAAATA TAGAGATGTC
188101 ACTTAGAGAG GCACTTACAG CAGAACCTGC TGTCCTATAT ATAAAAACA
188151 GTACTGTACT GTACTTAATT TAGCCCTCCA GAAAGGGTCA TGAATATGCA
188201 TTTTGTCTAA GAAAATTATT TCTTTTCACA ACCTCATGTG TGATGCTGTA
188251 GGCTAAGCTA ATCAATGTAG TTAAATTTAG CCCTGGTTTT GAAAGTTTGT
188301 TTTAGAAAAG GTCACGTAC TAACCCTATA GTTTATTGTG TGAGGAAAGA
188351 AAGCATCATG GCAAACCAAG CAACTGATGT GCACCCCAT CTAAGAATA
188401 TAAACATATT GTTTGTATTT GAGGTTCAAG TCCACTTGCA GTTAGTGATA
188451 TTATTCTCAA AGTTGACTTG ATTCCTGCTG TGCTGTGAAA TATACAAGGA
188501 CAAAAACCA AACACCGCAT GTTCTCACTC ATAGGTGGGA ATTGAACAT
188551 GAGAACAATT GGTACAGGA AGGGGAACAT CACACACCGG GCACTGTTGT
188601 GGGCGGGGG GAGGGGAAG GGATAGCAT AGGAGATATA CCTAATGTAA
188651 ATGACGAGTT AATGGGTGCA GCACACCAAC ATGGCACACG TATACATATG
188701 TAACAGACCT GCACGTTGTG CACATGTACC CTAGAACTTA AAGTATAACA
188751 AAAAAATATA TAAAAAAGAA AGAAAAGAAA GATATTGTCT ACCATGGGGG
188801 TGTGGGAGGT CTGTGAGCTT GCCTTTCTCT GGGCAAGGGG GTTGCCAGA
188851 AGGCTGGGGT TGGGCATTTA TTCAACCTGT GCATGTAGAT ATGGTGTAAA
188901 AGAAGGCAGA AAAGGCATG TTACAGATGA GAAGATTGA TTGGATACAT
188951 CCTTTGATAT GGCACCTAGT TACATGAAGA GGCTTAGGGC TGGGGTGCGA

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189001	TGGAGACACT	ACCTCTCCCC	TGCTACATCC	ACAACGTGTA	GAGCTGGAGC
189051	ACTTTCAAGG	GCCAGGAGAT	TCTGCCTTCT	CTTTGCAGAG	GTGGGGATTG
189101	GTGATGGTAG	ATGGTGTGCT	GGCCAGGAGA	GGAACGTAGG	ATCAGAGAGG
189151	TAAAGTGACT	CACATCCCAG	AGCTTCAAAG	AAATCTGGCC	AAACTGAAAG
189201	CGGAGGCTGT	GCCCTCTAT	TTAGAGAGGT	GACAGCCTAG	AACAGTGCCTG
189251	TCCAGTAGAA	TTTTCTGCAG	TGTTGGAAAT	ATTCTATAAT	TTTGTCCACAG
189301	TGGACTATTG	AGCACTTGAA	AGAGTCTAGT	TGCAACTGAA	TTTGTCAATT
189351	TATTTAATTT	TAATAATTTT	AATTCAAATA	GCCACAAGTG	GCTAGTGTCT
189401	ACCATATTAG	GTCAATTCTA	AAAGAAGTGG	TACTTTAAAG	AGATGAAGTG
189451	GGAAAGCAAG	AGTGAATTCA	GGGAAAAATA	CAGAGTTCAG	GTTATGAAAG
189501	CCAGGATTCT	GAAGGTACAT	ATGAGAACTA	TCTGGAAGAG	ATCAGAAAAA
189551	TAAAGCTTCC	TAGACCCAGA	CCAGGACAGC	CCAATCAGAG	TCTTTTGGTA
189601	CATAACCTTT	AAATGAGATC	TACCATAATG	ATTGGTFAAG	AGGGCAGAT
189651	CTGGGAATTG	GGGTGACAAA	TGATAAAAAG	TCTTGCCTGC	CAAACCTAAG
189701	ATTTTATACT	CAATTTTATT	GGCAGCGAGG	GCCTCATTGA	AAGGGGAGAG
189751	TCACATGGTG	AGTGCATTAG	GCAAGGCTTG	CAGCAGCCTG	TGTAAGACAT
189801	GATGCCAATG	GAAGATAGGA	GATGATTGCA	GAGCTGAGTG	TTAAAAGATA
189851	CCTGGAGTAT	TCATTTCTCC	CTCAGAATAT	GAGTGTGTTT	ATTTCACTGG
189901	GGGCTGTCCA	TATTTCTCTC	TGGCTTGAAC	ATTGGTTCAA	AACATTTCTG
189951	CAGCAGCCTG	TGTAAGACAT	GATGCCAATG	GAAGATAGGA	GATGATTGCA
190001	GACCTGAGTG	TTAAAAGATA	CCTGGACTGT	TCATTTCTCC	CTCAGAATAT
190051	GAGTGTGTTT	ATTTCACTGG	GGGCTGTCCA	TATTTCTCTC	TGGCTTGAAC
190101	ATTGGTTTTGA	AACATTTCTT	AGCAAATATG	CTGCTGCATG	CCTCCAGTCC
190151	CACTAAATGT	TACGGTGATT	GGAAATATGC	GTTGCTTCCC	TTGGGCGCAG
190201	AGGGGGCTCT	TTGTAAATGA	ATAGAGTAGC	AGCAGCCATT	TGGCATGTGG
190251	AGTAACAGCT	TCTCTGGGAC	CTCCAGCAGG	GGCCCCAGGT	ATCATAAAAG
190301	GGGATGAGTC	ACCAGGGAAA	GGAACAATTG	TGGGTCTCAG	AGTGTGCCCT
190351	TCCCTCTCTA	TGACTTCTGA	GCTCCAATGA	GCAATCTTAA	CTGCTGTCAC
190401	CGGGAAC TAG	GACACCGTGA	ACACAGTGTT	CGAGGCCCAG	CCGATGACTC
190451	ACTGCATAAC	TCTGATAAAC	TATTTTCATG	TTACACAGTG	GGAGAGAGAT
190501	TGCTTTTAAA	AATTTGAAAAG	GGAAAAATAA	AATACAATAT	ATGTTGAATT
190551	GAGTGTGTTG	GATGGATAAA	ATGCTTTTTT	CCAAACAGCA	AAGTATCAGA
190601	AGAGTCAGTT	TTTTTTCTTT	AATAGTGCCG	GGGTAAGGGC	ATGGGGGAGG
190651	GAGAGACTGG	GTATCCTTAT	AAGCTGCTGG	GAGAATGGAA	AGCTGGGGTT
190701	TTAGGAGTGG	TTTTTATCTT	GTTGGGAGAG	TTCAGCTGTC	ATCCTGAAGG
190751	ACAGGTGACC	TCTGCCTGGG	AAGTGTTTTT	CTCTAGCTAT	GCTGTTGGCC
190801	CTTTATGTGT	ACAGTTTACAC	ATCACTTAAAG	AACGGGGATG	CGTTCAAAGA
190851	AATGTGCTCT	TAGGCAATTT	TGCTATTGAG	CAACACTCAT	AGAGTGTAAT
190901	CCCAACAACC	TAGATGGTAC	ATTTATGCTA	AGTTTCGGGT	GAATTTGGCG
190951	TCTTACAGAG	CACATGATCG	GCCACCATCT	CACTCTGGCC	CCTCCCACTC
191001	TCTTTCCCTC	CACCTTTCTG	GAACAGGGCC	AAAGCCCTCC	TCCTGTTCCC
191051	TGGCAGAAGG	GATCATATCA	TTTTCTTTTC	CTGCACCTTT	ATTAGGTATT
191101	TTTTCTAAATA	CAATTTCTTA	AAAAAAATTC	TCACAACAAC	AATTTATAAA
191151	CGCAATCTTT	CTACCTACTA	AATTAATAAG	TGCCATTTTA	TGGAGCATCT
191201	ACCATGTTCT	GGACATTATG	CAAGATGAAG	CATTTTAAAG	AGACTTTGAA
191251	GAGGGCCAGG	AGACTAAACC	TCCAGAGAGA	AAAAAATTTA	GTCACTGAG
191301	ATGTAATTGA	TATCTGACAA	AGGACTCACT	TTAGCAGTGC	CACAGATGTG
191351	GGCTCTATTA	TTTTCTTGAA	GGTCTGAGGA	TTAAAGTTAT	AATATTTAAG
191401	AATGTGACTT	TGCTGGCACC	TGACTATTTT	TCTTTAAGAG	ATGTTTATCT
191451	CTTATCTTTT	ATCTTTTGTT	TTGTAACCAT	GAGTCAAGAT	ATTTTATATA
191501	TAAATGTCCA	GTATTTTAGAT	GGGTTCCTTA	GAGCAACAGC	CTAGATGGG
191551	TATCTGGTGC	ATGTATCTTA	TTGTGGAGAG	CTCTAAGGAT	GTGGGTGTGT
191601	GTATATAGAG	TTTGGTGTGG	GGTTGGGGGC	TGTGTCCAGA	TAAAAGGAGC
191651	TGAGCAAGTA	TGTGGTCTCA	GCTGGAGACT	AGCCTCAGTC	TGCTCACACA
191701	GGGAGCTCTG	GGGCATGAGT	AACACCAACA	AGATGTTTTT	ACCTTAAAGT
191751	ACTCAGTCAT	TGGCCAGGAG	TGCCCTGGG	GACAGATGTT	GGCATCACTC
191801	TTTCAGTAAG	GAGGGCTTCT	TTGATCCAAG	AACAATCTCG	TGGAGAATAG
191851	AGTATCTGTG	TGCTGTCAGC	AACTGTTATA	GGCTTCAC TG	AGTCCCCGCT
191901	AAAAGCCATA	TGTTGGAGCC	CTAACCCCCA	GTA CTTT CAGA	ATGTGACTGT
191951	ATTTGAAGAC	ATGGCTTTTA	GAGAGGTGGT	TAAATTA AAA	TGAGGCTGAT
192001	AGGGTGGGGT	CTAAGCCAA T	CTGACTGTGT	CCTCATAAGA	AGAGGAGATT
192051	AGGCTTTTCA	ATGATCGCCA	TTCTAACTGG	CATGAGACGG	TATCTCATTG
192101	TGGTTTTGAT	TGCGTTTTCT	CTAATGACCA	GTGATGATGA	GCTTTTTTTT

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192151 ATATGTTTGT TGGTCACATA AATGTCTTCT TTTGAGAAGA GTCTGTTTCAT
 192201 ATCCTTTGCC CACTTTTTGA TAGGGTTGCT GGAGAGGATG TGGAGAAATA
 192251 GGAATGCTTT TACACTGTTG GTGGGAGTGT AAATTAGTTC AACCATTGTG
 192301 GAAGACAGTG TGGTGATTCC TCAAGGATCT AGAACCAGAA ATACCATTTG
 192351 ACCCAGCAAT CCCATTACTG GGTATATACC CAAAGGATTA TAAATCATTC
 192401 TACTGTAAAG ACACATGCAC ATGTATGTTT ATTGCAGCAC TATTCACAAT
 192451 AGCAAAGACC TGGAAACAAC CCAAATGCCC AAAAATGATA GACTGGATAA
 192501 AGAAAAATGTG GCACATATAT AACATGGAAT ACTATGCAGC CATAAAAAAG
 192551 GGATGAGTTC ACATCCTTTG CAGGGACATG GGATGAAGCT AGAAACCATC
 192601 ATTCTCAGCA AACTAACACA AGAACAGAAA ACCAAACACT GCATGTTCTC
 192651 ACTCATAAGT GGGAGTTGAA CAATGAGAAC ACATGGACAC AGGGAGGGGA
 192701 ACATCACACA CTGGGGTCTG TCAGGGGGTG GGGGACTAGG GGAGGGACAG
 192751 CATTAGGAGA AATACCTAAT GTGGATGATG GGTGATGGG TGCAGCAAAC
 192801 CTGGGTGTAG CAAACCATCA GGACGCGTGT GTATCCATGG AACAAACCTG
 192851 CATGTTCTGC ACATGTATCC CCAAACCTAA AGTATACAAA AAAAAAAG
 192901 AGGAATAAGA GATTAGGACA CAGGGACACC AGGGTATGCA TGCACAGAGG
 192951 ATGACCTTGT GAAGAAGCAG CAAGAGGGAA GCCAAGGAGA AAGGCCTCAG
 193001 AGGAATCCAA CCCTGCTGGC CCCTTAATCT CCAACCTCCA GAACTCTGGG
 193051 AAATAAATTT CTATTGTTTA AATCACCCAA TCTGTGGTAT CTTCTCATT
 193101 CAGCTCTGGC TGACTTAATA CAGCAGCCAA CATGCACAGC AGCTAGCAGA
 193151 CGAGGGTGTG CCAATTATAC TTTGGAGTGT GTCTGGGAAG AGAATTTGTG
 193201 TGGGGCATTG ATAGTAGCCA CTACACCCAC TTACAAATGA GAACACCGTG
 193251 ACCCAGAGAA GTGAAGTAGC CCACCTGAGG TCACACAGCC AATAAGCAAC
 193301 GGAGGCAGAA TTTGATTGCC ATCTGACCCT ACAGGTGGTC CTCCTAGTCA
 193351 CTACTTTGTA TCATCACTTC TGTTGCAAGG CAGTTTTTCT CAGAAGCAGC
 193401 AGATGTCACC AGTTAACTTT GACTTCAATT TCTTTTTGGT TTTTGTGTTG
 193451 TTTTGTGTTG TTTTGTGTTT ATCTAAATTG TGCTTACCTT ATACAAAATG
 193501 GAGCTTCTGG GGGAAATTGA GGCAACTCAG CACAATGCCT ATGTCTGTGT
 193551 GTCTTCTCAA AGTATTGACT TTTACCTTAT GTAAAAGGTA AAAAAAATC
 193601 TTATGTTTAA TTTGACGTTG TAGCATATTA ATCATAGGTT TCCTATACAT
 193651 ATGAGAAAAT AATATTTTTA TTTTAAATGT TTTTATTAAA AATGAATTTG
 193701 AGCAGTTTTT CACACCCACA AATGTTATTT TTGGGAAATT AAGAAATGCT
 193751 TTGATGGCTG TCATGTTAAT ACAAATAATA ACTGTAATCA TTCTAAGCAC
 193801 TGCCACTCCC AATTTGTAAT GAATGAACAT GGTCTTCATA GAGGCCACAT
 193851 TGAGATACAA GAATAAATCA GTTTGTTCTT ATTAGAGCCT TATAATAGCC
 193901 TTGTTTCAGTA TTTTCTGGCT TGGTSTAATA AAGCCATTAC CCTCTTCAGA
 193951 AAACCTAGAAA AGAAAGGACA AATAGAGATG GACATCTTTT GGTAGCTGCC
 194001 TTCTGCTGAG GGCTCCACC ACCCACCCTC TGTCTGCCCC ATGACAGCCA
 194051 GCTCCGCAAA CTTTAATGCT GAACTATGAT TAGATATGCA GAGAGAGGCA
 194101 GGGTGTCCGG GGCAGACTCT AGGGCACCTG GAGAAAGCTC CAGCCTAACA
 194151 GCATTTGCTG TCACACTCTG GGTCCTCTTG ACTGAGTTCCT GGGACTTGAC
 194201 TGAGTGGGCT TGCAGGATGT AACTGGAAGT TTTAGTACGA TGAAGACATT
 194251 TTTTGCAGTT CGAAGGTATG ACTACATCTG AGATATAAGT TCAAAGTATG
 194301 TGAAAAAGAG GAAAGGGGTG GGGGAGTCTT AGGAAAAACA TCTGTATCTC
 194351 CTTCTCTCTC TCAGCTTCCC CTCTCCACGT TACTCTCCCA AAGGATTAGT
 194401 TAATTCCTTT TATATGATAT TATGTGGCAA TTTGAAAGTC CTTATCTCTT
 194451 AGAGATTATG GTACTCATTT ATTCAGCAAG AAGTTTTGGG TGTCTGCTTT
 194501 GAATCATGTG TTGGGGATAC CATGGTAAGC AGGATGGGTG TGGCCTCTGC
 194551 CCTCTCTGAG CTTACCATCT ACCTGGAATA TTAGAAGGGA TTTTATTTC
 194601 AGCAGACATA AAGTGCCAGT CATGTGCTG AATTAGTGGT TCTCAAACCT
 194651 AAGGGTGCAT CAGGATCACC TGGAGAGCTT GTCAAACCAC ACATTGCTGG
 194701 ACCTTCATCC CAGTTTCTGA TTCAGTAGGT TGGAGGTATA GGCAAATTTG
 194751 GAAATTTTTA TTTTAAATAA GAGCCAGGT GATGTTGTTT TTGCTATTCT
 194801 GGGGACCACC CTTTAAAGAAC CATTCTGGGA AGCCTGTCAC ATGGATTTCG
 194851 TTAAGGCATT CTAATGGTTA AAACCATCTG GGATGGTGGT GGGCCCACAG
 194901 GCTGAGATCT TCTAAATGTC TAAAAGGAAC TAAGTTCTTT TAGAGGAAAC
 194951 TTGGTTTTCT CTTTCAAGCA AGTTCCTGTT TTATGAAAAC ACTCTTTTTT
 195001 AAAAAAATTT TTAATGTATA TCTGGATCGT TTTAGCAGTT TAAAGAGCTA
 195051 ATGCAGTAGA TGAAGTGACA GGGAGTTTTT CATTTAACAG TTGCATCTGT
 195101 ATGTCATTTT CTCCTCGAAG GTTCTATAAG ATAGAGCAAT AGTTCTCAAA
 195151 GTGTGTTTCC AGACGAGTGG CATAGTTAGA AATGCAGAAT CCAAGCCCC
 195201 ATTCAGAGAC TACTGAATCA GAAACACTGG GTGTGGGAGC AAGAATCTGT
 195251 TTTAACAAGG CTTCCAGCTG ATTCTGAGGC AACTCAAGT TTGACACATC

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195301	TGAGATAGAT	GGTAGTGAGA	ACTAGGCTCA	GGCTGAATCT	GATTCTCCCA
195351	GCTCCCTTAA	GACGGTTTAC	CAGGATGACT	AAGCTTCAGT	TTTTCTATCT
195401	CGTAAGTCAA	AAGTCTATCC	CTTGTTGTCT	AATATCTTTC	AGAGCTACAA
195451	GAAAGATAAT	CATGACCTTT	CTGAAATGGT	TTTACTAGCA	AAGATGAAAA
195501	TTTCTAACTA	ACCATAAATA	GACTTATTCA	GTGAAAGAAA	GGGGATTACG
195551	ATGCAGCAGT	GTGACCTTCG	GTTGGTCATT	AGCTTGTCTG	AACCTTACTT
195601	TTCCTATCTG	AAAGATGGGC	AGAAAAATGT	CATTCTAGTC	TACATTGAAG
195651	AGTTGTTGCA	AAGATCAAAT	GGTATCTTTG	TGCTATTAAA	TGGTATCAAA
195701	TTTTTGTTGG	ATCAAATGTA	TATCAGCATG	CTTTTTAAAC	TGTAAATGTC
195751	ACACAAATAT	AAAGATTATA	ACTTTGGGCT	GCTCACCCCT	AGCTTTGTTC
195801	TTTTCTATCA	ACAAAATGGG	AGTAGTTGAA	TTACTTATAC	CTCTATGGAG
195851	ATTTTAAAGTA	ATTTAGACGA	CTAATAGCAC	AGTAACTCGA	GCTCTTCTAA
195901	GGTAAAGTTT	TTCTTACGTT	TATGTTTTGT	CTTAAACATA	CAAAAGGTGA
195951	AATATGTAGA	AATAGTATAA	AATCTTTTAG	ATTTTATTAT	AGTGTATACT
196001	CTTATTTGAA	CTAGTCACAT	TCTAGAGCAG	TGATTCTGAG	AGGGCAGCCT
196051	CCAAACCAGC	AGCATCAGCA	TCAGCTGGGA	ACTTGTGAGT	AATGCAGATT
196101	CTCAGGTACC	ACACCAGACC	TGCTGAATCA	GCAAGTCTTG	GGGTGGGACC
196151	CAGAGTACGG	TTTTTAAACA	CCCACAGGTG	ATCCTGATGC	TCACACAAGT
196201	CTTAGAGAAA	GGCATTTTAT	TGGGCTTTAA	TGGAAGGATC	TGATAAAGGC
196251	CATCATTTTC	CTGGAACAGG	GTGATGTCTT	CGTTTTTCCA	GCATGGATTT
196301	GAAACATCTG	TGTCCAAAC	CGTGCAGCCA	TTATTGGATT	CCTTCATAAA
196351	CACATTCTGT	TACTGCTTGC	CTGGCATACA	GAAGATCTGG	AATGCCACTC
196401	CAGTATACCC	ATTATGAGGC	TGACTTCAGG	GTGCAAGGAA	ATTAAAGCTG
196451	TTTATCAGAC	TCTTTTCCCC	TTAGTGACAG	GAGAAAGGAA	TCTTAAGCTA
196501	AGAAGGCTTC	AAGTTGGGTC	TATGTATGAA	AAACATGAGG	CGTGACAAAC
196551	ACAGTTTGAA	CGGACTTACG	TTTTTTTTGA	CTTTTCCCTT	TGAAAATGAA
196601	AATGAGTCCT	TTTGTGGGCA	GCACCAAATT	AGTGGTGCTT	ACTTAAGAAA
196651	TACTGGAGAC	AGATTCAATC	CAGTTTGTTT	CATAACTTAG	GTGGCAGAAT
196701	GGCACTTTTC	CCTGGCCACT	TCCTTCCTTC	TCCCCCTTCT	AGGAGGAAAT
196751	CTTAGGTAGG	AGAGGGAAAG	GGACTAAGCG	TGCTGTAGAC	CAATGAGCTA
196801	CGTTTGTGGG	AGAGGAGCTT	AGTGTTTTAA	CAAAAGAAAG	GTTTGTCTGT
196851	GTTGTAGAGA	TATGACTTGG	TCCACTGCCT	ATGTTGTGAA	ATAAAGTTTT
196901	ATTGGGACAT	AGCCCACTC	ATTTATTTAT	GTATTGTCTG	TTTTCACACT
196951	ACAAAGGCAG	AGTTGGGTAG	TTGTGACAGA	GACCACGTAA	TCTGCAAAGC
197001	CTAAAATTGT	TTTACTATCT	AGCCCTTTAC	AGAACATATT	TGTCAACCCC
197051	CCTTGCAGAG	GTTTTCTCTG	AGCTGCTTGA	AGGAAACCTT	GACGGAATCT
197101	GTGGACAGGA	AGGACAGTGG	GAGGTGAACA	GTGTGGTGAA	ATGCCTGCGG
197151	GTTCTGTGTT	AGTCCACAGA	AAGGAAACCA	CAGAGAGGCG	GAGATTCCATA
197201	TTGCCCCATT	CAGTTGGGTT	CAGTATGGAT	TTTGAGAAAT	TATTTCTATTT
197251	AAAATAAATA	AATATTTTAA	ACTTGAGTAT	ATATTTGCAA	TTGTCTAATA
197301	CAGTCATACA	CTGCATAACA	ATCTTTTGGT	CAATGACAGA	CTGCATGTAC
197351	AATGGTGGTC	CAGTTAATGA	AGCTGAAAAA	TTCCCAACAC	CTAGTGTACT
197401	CATAGCCATC	ATAACATTGC	AGAGCAACAT	AGCCACTCAC	ATACTGTGTG
197451	TGATGCTGGG	TAAATAAACC	TACTACACTG	CCAGTCATAT	AAAAGTGTA
197501	TGCATATATT	TATGTACAGT	ATAGTGATGA	CAAATGACTG	TTACTGCTTT
197551	ATGTATTTAC	TATACTTTTT	TTTTTTGAGG	TGTGGTCTCA	CTCTGTTACC
197601	CAGTCTGGAG	TGCAGTGGCA	CGATCTCGGC	TCACTGCATC	CTCCACCTTC
197651	CAGGCTCAAG	TGATCCTCCC	ACTTCAGCCT	CCCAGTTTAC	CGGGACCACA
197701	GGTGTGCGCC	ACCACACCCA	GCTAATTTTT	TGTATTTTTG	GTAAAGACTT
197751	GGTTTCTCCA	TGTTGCCACG	GCTGTTCTCG	AACCTCTGAC	CTTGGTGAT
197801	CTGCCTGCCT	CGGCCTGCCA	AAGTGTCTGG	ATTATAGGAG	TGAGCCACCA
197851	TGCCTGGCCT	GCTATACTTT	TTATCATTTT	TCTAAAGTGT	ACTCCTTCTA
197901	CTTATTAATA	AAAATTAAC	GTAAAACAGC	CTTGGGCAGG	TCCPTCGGGA
197951	GGTATTTTCAG	AAGAAGGCAC	TGTTATCACA	GTAGATGGAG	GCTCCGTGTG
198001	TGTTACTGCC	CCTAGAGACC	TTGTAGTGGG	ACAAGATGTG	GAGGTGGAAG
198051	ACAGTGGTAT	CAGTGACTCT	GACGCTGTGT	AGCAGTAGAC	TAATGTGTAT
198101	GTTTGTGTCT	TCATTTTTTAA	CAAAATAGTT	GAAAAAGAAA	AAGAAAGAAA
198151	AAATGCTTAT	TGACTATCTC	CTAGTTAGGA	GAGATATGAA	AAAAAGAAAA
198201	TATTTTCGTA	CAGCTGTACA	ATGTGTTTGT	GTTTTAAGCT	AAGTGTATT
198251	ACAATAGAGT	CAAGAAGTTT	AAAAAATGTA	CAGTAAGCTG	CTTAATTTAT
198301	TATTGAAGAA	GGGAAAACAT	TTTTTATAAA	TGTAGTGTAG	CCTAAGTGTG
198351	CAGTGTTTAT	AAGTCTGTAG	TAGCGTACAG	TAATGTTCTA	GGCCTTCGCA
198401	TTCACTCACC	ACTCACTCAC	TGACTCACC	AGAGCAACTT	CCAGTCTGTG

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201601 TCTTATTTAA TGATTTTTTT CTTACCTTCA AACGGTAGTT GCTAATGGAA
201651 ATGTTCTCTC TTTCTCTAC TGGTTTTATT TTGCTGAGTG TTTATTACAT
201701 TCAACCAAT ACTTCCAGGA AGCTGAGATT CAGCTCTACA CTCCATGGAA
201751 GCTTTGTCAA CGCAAGCAAA ATATACATCC CTGTGAAAAG ATACAGTATT
201801 CTTACCTCAT TATAATTTTA ATAACCTGGTA GTATCTGACT GTTTGTTCAT
201851 TATTTAGAG ATCCAGAAAG ACCCACTTGT GGCTGAAGAG TACTACGCTG
201901 ATGCATTTGA TTCCTATTGT GTAGAGAGTG ATGAGGAGGA AGAAGAAATA
201951 GCGTTAGAAA GACCAGAGAA AGAAATCAGG AATGAGGGAT CCCAGCCTGC
202001 TTACAGAACA AACCAACAGG TATGTAATGC TCCCTGTCGG AAGCCATGGA
202051 ACTGTTCAAG GTACTGATTG GACTCTCCCA GAGAAGAAAG GAAGTCTTAT
202101 AAGGTGAAGT TGGGGACATG GGGAACAGGG TTATTATAAT AGCTACTTGT
202151 GGTAAGTCTG GCTTTTCAAG GTCCAGAGGC AGGCAGGGCC CTATGGAATT
202201 TGGAGAATCT GATCTGGACC ATGTTGATGG GGAAGAAGT GGAGCATGCT
202251 GCACTTATTT GGGGGGTTGG GAGATGGCAC ACACCATATT CCCACTGAGG
202301 AGGGCTTCGT ATACAGCTAT TGAATTAATA AATGCAAATA TCTCTTTAGC
202351 AGAGAGAATG GCACTTTTTA TATACTTTTC TGTCTGGTAA TCATATTTTG
202401 GGGTCATATT CACAAATTGA ATGCAAATAA AATTTGTAAA GACTGACTTA
202451 GTTTTGGGGA TCAGAACCAG AGATCCTGGG CTTAGGGGAT AATCTGTCTA
202501 GCTACTTTTA GCCTCTGAGG ACACATTCTT GCTTAAGTGG TGAAGTCTCT
202551 GAGTATATGC CCTATGCCCT TGATAGTAGT CTCTTTTAAC TATAGCAAGA
202601 TTAAGCCTTA TATGGGCCAT AGGTCAAGAA ACACCCCTGA CATGTGCTTT
202651 CAGTGTGAG TGCTGCAAC AGAGGAATAA AAAGCAAGAG GCTTATGAAG
202701 ATGAAGGGGA AGCTTTGGG CAATGTGCAT ACATACCTTC TTTTCTTGCT
202751 TACCTTCCAA TCCTAAACTT CCATGAGTTA CAGAAGCTTT TGTAACTGA
202801 GAACCATGCA GCTACTAAAA TAAAAGTCTA CCAAAGGGCA CATGAGTGAA
202851 GACTCAGGTA GAGGAGATGA TTTTGGAGT GAAGATGATT CACTCCAAAA
202901 ATCCATTCAG CCATTTTTTA TAAAGACTAT GCAATATATC ATAATATTCA
202951 ATCCATTCAG CCACTTAAAT CCATTCAACC ATTTTAATAA AGATTATGTG
203001 TCATAATATT CAATAAATAA AAGCAGTAAG AAGTGCTCTC CAATTTGATA
203051 TTAAGAGGCA GAGGCAAGTG AAGGGTACAG GTATGGGGCC AAGCAAAAAA
203101 AGGGATGAGA TAAAGAGGAG AAAGAGATGA AGAGAAAGGA TTAGAGAGAG
203151 ATAATTTAGG AGACAAATAC ATGAAGAGAG AAACAAATAC ATTTGGAGAA
203201 AAATACAGCT AAAGGGGGGA TTCAGAATGC CAAAATAAAA ACTTAGCTTA
203251 TACCGTTTCC CCATTTTTTT CCAACGGAAT CTGGAAAACA ACAGCACCTC
203301 CTACCACAAA TCGAAAATAT AATTTCTACT ACCTTCTGAG CCACTGTCAT
203351 AAACAACGTG AACGGATATT ATTGCAGCAT TACAGAGCCT TCATTCTGGG
203401 CCTATGGTTG CAAAACACAT GATATGCAAA ATACATACAG TGCTCAATTT
203451 TTGGTCAAAG CATCAAGCGG TAAAATTTTA GCTACTAATA TTCCTTAGA
203501 AATGTTTTTT AAGAAAATAA AACAGATTTA GAACCACATG AATAAAATAC
203551 TATATGGCAA ACAGCTCCTA GGTCAGGAAA TACAATTTTT CCAGTCTCAG
203601 AATATCCATC TTTGGCACTT AGAATATAGG GTTGGAACAC AGATTGCTTG
203651 CATGCTTTTA TAACCTGAC TTTGCGTGAC CTGTTTCAA TTAAGTGAAT
203701 TCACTGTGCC TCAGTTTCT AATCTGTAAA GTGGGAGAAT AATGGTTTCT
203751 ACCTCACAGA GTGGTTTTGA GGATTAAATG AAGTAATCAA TATAAAGTAA
203801 TTAGAATAAT GCTCAGAATT TAATAAATA CTTATGAGA TATTAGCTAT
203851 TATTATTATG AAGTTACTCA GTCAAGGTAT CCAGTACCTC TTTATGATAC
203901 TGCCAAAACCT CTTAATGTT AAAGTGAGAT TTTCTAATTT GCTTTTAAGT
203951 AATTTTTTAA AAATTCCTTC TTATTAGTCT TAAGGCAGAT GATAAACATA
204001 AGGGCAGCAG TTTTGTCTC TGGGTGTAT ATCTATCACA TGTTACATGA
204051 CAGATTGTGA TTGATTTTAA GTAATCTATT GGGACAAGAT GCTAAGGCCT
204101 CTCATATGGT TTGGCTATAT CCCCACCCGA ATCTCATCTT GAATTGTAGC
204151 TCCCATAATT CCCATGTGTT ATGGGAGGGA CATGGTGGGA GATAATTGAA
204201 TGATGGGGTG GTTTCCCCAG TACTGTTCTC ATGGTAGTGA ATAAGTCTCA
204251 CGAGATCTGA TGATTTTATA AGGGGTTTCC TTTTCACTT TGCTCTCATT
204301 CTCTCTTGCC TGCAGCCAG TAAGACATGG CTTTCACCTT CCACCATGAC
204351 TGTGAGGCCT TTCCAGCCAT GTGGAAGTGT GAGTCCCTTA AACCTCTTTT
204401 TCTTTATAAA TTACCCAGCC TCACGTATGT CATTATTAGC AGTGTGAGAA
204451 CAGACTAAAT ACAGCCTCTC ACATACATGG TGGTATTTTG TCTCACAAC
204501 CCTGTTGGGT AGTTATCTTA TTCCTATTTT CTTTTTTTTT TTTTTTTTTT
204551 TGAGACAGTG TCTCGCTCTG TTGCCAGAC TGAGGTGACG TGGCATGATC
204601 TCTGCTCACT CTAATTGAGG AAAGTTAGTT TCTGAGAGAG GTGTAGCCTT
204651 CCTGCGGTCA CGTAGCTAG CAAGGATCAG ACTCATGCCT CAGGCCACA
204701 TCAGTCACAT TCTCAAGTCA ATGTTTTTGC TACTATAGAA TATATATTGA

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204751 CCTAGAATGG ACTTGGCATA AGGGAAACAG AANNNNNNNN NNNNNNNNNN
204801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204851 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204901 NNNNNNNNTGT TGCCAAGTCC ATTCTAGGTC AATATACATT CTATAGTAGC
204951 AAAAACAATA CACAGTAGAG CAATTTGTAT AGATTAGCAA AAAATAGAGT
205001 AATTTGTTTA GAGTAGCAAA AACAATTACA CAATAGAGTA ATTTGTATTA
205051 GAGACAGGTA ATTACAACCC CATTGTGTTT CTTCCAGTAA TTCAATGTAG
205101 TTTCTCCTTC CCCAAAGGTG ATGAATGTGG ACTCTTCCCT TTCAGGTTAT
205151 TTTCAATTAGC AACATACAAA TTACACTACA GAACTCAGTC ATGGTCAACT
205201 TTGTGAATTG AGAGAGACCT GCTGCCATCT CTCAGATTGG CCTCTTCTCC
205251 CCTTTCCCTG GTCTTGCCCT GGACCTCTGA GTGTGCCAGG GTCTGCTTAG
205301 ATGGTCATCA CACAAATGCC TTCTATGTGT GTAATCAGAT CAAAGTTGAT
205351 TCCCCTTCCT TTAGATGGAG CCAAAGTCAC ATAGTTATTT TGATGAAAGA
205401 AGTGCTTTCA AAAAGAAACA CAGCCATGGA CTTCAATTGAG ATTGATTACT
205451 GAGTTCTTTG TGCCACCCAT GACAATCTTT TTAGTAGCAG TGTCTCCAAA
205501 GCAGTTTAT TAAGCACCTA ATTGCTGATG ATTGCCAACT GTTCTCTGTC
205551 TGTGATAAGC ACAGCATCAA TAAAACCTTT ATCACAGCC ATTATCATAT
205601 TGTGTATGGC TCCTCTGCCA AGTCTGTGGT CACTGAATTG GAGCCAGCAT
205651 CTTAGATCTC AGGAGAATTG AGTTTATAGC TGCCGTCATA ACAGGTTCTT
205701 CCACAACACT TGTGCAACCT GTCACATAAA AGTGTTTAT GCGCTCTAAT
205751 GGACATGGTT TAGGGCTACA GGCTGACGAG TGTTTTCACA GACTCTTCTG
205801 TCTTTCCTTT GCTGCCTTGA CTATCATTTT TCTCTCCAAG ACTAATAAAT
205851 GGCTCAGAT CATCCAGTAA TACACATACT AGGTGGACAA TAATGACTCG
205901 ACACAAATCT TCCTCGGAAG GGCTTTGTTT AATGAATGTG GCTGTCACTG
205951 AGGCTGTGTT TAAGAAGGCT CTTCAGGACT ATGGTGTGTT TTCTTCTTAA
206001 GATGAAAGGC GGCAGAGTTC CACTATTCCA GTTAATTCTG AAGTTCTCAA
206051 TGCTTTTTTC CCAAATCATT CAGAGGTTTT GAAATTCTTA GGAAAAACAA
206101 TTGATTTTCT TCTTGGAACA TTGTCCCGGG GCAGAGAACT GGATATGCGA
206151 TAGGCAAGGC CTGAGATTCT GCTGAGGACC CTTGGATCTG ATTGTCATGA
206201 TGGTAGGTGC CTCGAAGAGT TCCTGCTGTT AGTTGAGTCA TTAGTTTAAT
206251 CAGATCATAG TAATGATAAC AGTAACAGCT AGTATTTCCA GAATCTTCAT
206301 TCTATGCTCG GTACTTTGCA TGCTGTGTCA GTTCAGGTAC TCCAGGAAGC
206351 AGGTGATGAG ACAGAATTAG AAATAAAAAG GAAATTCCTA TCAAGTAGGT
206401 GGGAGGAGTC TTAAACCATA CTGATATATT TGAGGGGAAG GAAGGAAGGA
206451 AGGAAGGAAG GAAGGAAGGA AGGAAGGAAG GAAGGTTGGA TGAGAACCTC
206501 AGGCTGCAGT GCAATTCTGA TAAAACCTTG GCAGGCAGGC TGGCAGGCAG
206551 GAAGGAAGAG CTGGAAGGA GGGAGGAGG GAGAGAGAGA GGGAGCAATT
206601 GGATGGGAGC CTCAGGCTGC ACTGCAATTC TGAAAAAGGT TTGGCCCTGT
206651 CAAGAGGGAG CGCAAGGTGT GTTGCTGGAG TCCAGCACTG CGAAAGAATG
206701 GCCTGGCCCT AACTTCCCCA TAGTGCTTAC ATTGCCTGGG AGTTGCCTGG
206751 GAAGAGCAGG GCCTCAGCGT GGACCCTGCA TTGGATCCCC GAAGGTGTTG
206801 TAGCCGAGGG CTGTCAGATC ACTAGGCTCC TTGCAGCAGG GTCTATCTTG
206851 AAGGCACTTG TAAGTGCGAG ATCTCATGGC TGTACAGGT GTATTATTTC
206901 ATTTAATTCT TGCAACAAC CTGATGCATA TATTCTAGAT GAACTGCATC
206951 AAAGTAGAAT TTAAGTGGCT GGAATTCAAA TAAGGGAGAA GGCAGAGATA
207001 AAGGAGAAGG TGAAGGTAGG AGAAAGGAAG GGATCATGAG TTAGGGATTT
207051 CATGTGACTT TTAAGTAATG CTCCAGAGTC AAAATGAGCT GAGAGATATA
207101 AATCCAGTCC CTCTACTGCA TCTCAGTTCC TGCATCTCTC AGACTGTAAG
207151 CCTCTTGTG CTTTGAATTA TTGTTGTAGA CTTCAGTAT TTCAGATACA
207201 TATTTTTTAC ACAATCTAGT CCTACGTGC AAATCAGCTA TTTCAATTGC
207251 TCAAAAAAGA AACAGCAGTG GAGGATATTT CAAGTGCTGA CTTTAAAACC
207301 TAGGTCCCTT GAAAGATACT GTTTGTGACA TCCTAACTTC ACACAAGAGG
207351 AAAGTAGGCT ATAAGGAAAT TAAGTTACAT CTCCAAGACC ACACAGCTAG
207401 TAAGTAGCAG AACTGGACTG TATGAATTTA TTTTTCAGCT CTGCTTTATA
207451 CAGTCTTTCC TCTGCACAAC AATTAGAATT GCTTCTCCTC CACTGATGAT
207501 AGAGTAAATG CGTTAGGTGC AAGGGAATAG CTGCAGGGCC ATTGCATTAT
207551 CTGGTACTCT GGCAAGACCT TTTTACTAAA CAGAATGACT GTGCTATGTA
207601 CAAGGCAAAA TTAAACCAG TTCCAGGAAG AGTGCTGAGT TATGAAAAGT
207651 AAAACAAAAA AGACCAACA TCTCTCATCT GTTATGGGAT ACAGATTTAT
207701 CTCCTCCTAC TATGTCCTTT TCTTTTAA GATAAGTTGC CAGAACTGTT
207751 GAGTCCAGT AGTGGGACTT ATTTGCCTGT TATTTTACA TGATCTGACC
207801 TAATTAATTT ACCTTCATAC TTGGGAAGAA AACTTTTTG TCTTAAATCG
207851 ACCTTAGAGG TCATCAGTTC TAAAAGCAG ACTCCCAGCT GTTTCAGATT

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207901 GTCGATCATT TTTCCATTAG CATTCCGCTG GCCTGTGTCC CAGGCTGTAA
207951 AGCCATCAGC CTTGCTACAG TGTTAGTGGA TACTCCCAGT TTGGTGTGTC
208001 ATTCCTTCTA GGTGATGGGC CTTCTGTAGA CTGTGTGTTG CTCAAAGGAG
208051 AGACTTTGAG GTGACAATTG CCACCCCTAC CCCCATCCC AGCCCTCATT
208101 TCCGTCATGA TTCTTCCCCC TTCTCTCTCT CCCATTTCTT GTCCAGATCA
208151 AAGCATAGCT CATTGCTAGT CATATTAGGA CCAGTCAAAC CTTGCTGTGG
208201 AATACAGCAC AGTGGGGTTT GTTTTTTTTT TTACATTATA TCACTTACTT
208251 CTCTTAACAA TTTGATATAC TATTCTTTTT TTTTCTTCTG GCCTTTATTT
208301 TATTTTAGGT TCAGGGGGTA CATGCGTGAG TTTGTGGGCT TTGTAGGAGG
208351 CTTAGTCATT AAGTCTTTAA AATTAGGTCC ATTATAGGGT TTAGGATCAC
208401 ACCTACATTT TGCACCCCAA TACCAAAGCA TGGAGAAAAA GGAGAAAGGC
208451 AATAGGGTGA AAAAAGGGCA AAGCAAATCT GAGCAGGAAT GCAAAGTGTC
208501 TGAGTGTTCC CTTCACTGTG AAGATGGAGA GGTCAACAGC CCCACAGTCT
208551 CCCTGTGTGG TGGCTGATCA GAGGTCCACA GGTCAATGGG CAAATAAAGG
208601 GACGGTGACC TTCACTGTGA GATGCCCTGT GCTCCGCTGT GCTGCTCCTG
208651 GAACTTTGGG GTGAGAGTGG TGAGACACAG CTGATAAGAG TAGTTGCAGT
208701 GGACCTCTA GTGCTTTTCT CTCCAACAAT CTTCTCCCTC CACTACCCTA
208751 CATTAATCCC TGTTTCCCTA GCTATCATCA GAGCTGAGGT GCCCTGACCA
208801 TATGGTGCAC AGAAACCCCTG CAAAAAATAT GAAAACCATC CTAAACAGCG
208851 TTGGCAAACA GAAAAATACA AGTCCCATCC AACTGTTTTG TGATCAGAAA
208901 TTTATTTTAA TTTTCTGAAT ATTTTCATTCA CCTAGACAGG GAGAGTAAAT
208951 ACCATTTTCAT GGTGTCCAGC CTGGGAGGAA AGGGTTGTGA CACATGGGGG
209001 CCATTGTTGG GGGTGCATTG TTCCACATA ACCTGGTAAT CTGAAGGCAC
209051 AGGGGTCTAT GTCATCCCTG GGAAAACACC AGTCATAATA AGACAGAGCT
209101 ACCTTGCAGC ATCCAGGTGT TGTGCCAAAC CCTTTACATG CCTTATCCCA
209151 TTCATACTCA CAGCACTCAA TGCAATTAAAC ATCTCTCACC ATTTACAAAT
209201 GAGAAGACTA TGAACAGAC AGATTAACCTA ATTTGACCTA AGTTACCCCA
209251 TCCAATGACA GAGCTGGGGT TTAAACCAGC AAATATTCGT TGTACCAACT
209301 ATTAGGAATT TGGAGTAAGT ATAGAACTTA ATGTAGAAGT TGGTAAAGGA
209351 GAAGAAAAGG AGATTCTTGG GACCTAAGTG ACAGCTCCAA AGTGTGTGAA
209401 AATGGACTAT GAGCTGATGA TTTAAAATCA TGTTTAAATC ACAGGGCTAC
209451 ATTTTTCACT TACTCTGTGG GATTTAAATA AAAGTAAAGC TAAAACTAGA
209501 GTTAAAAATA GAAATCTGCA ATAAACAACGT GTGTATCACA ATGACTATCT
209551 TTTGGACTGA AAAATTCTTG TGTTTTTGTG GCAATAAACC TCCCTTAAAT
209601 TGCAGGACTT TCTTCTCTAG GCTATTGTAT GTATAGAGTG GAAAGAGATT
209651 AAGTAGTTAA TAAAGAGCAA GTGGAAGGAT TGATTAGAGG TAGCTTTTCT
209701 TTTCACTGTG TGGAACTCTA GAAATGGATT GTTGCAGAGG GAGTACAGGC
209751 CTCACCAGTT CCTGGAAAAT CCATTGCCCT GTTTTGGGTA GGTGTTACGT
209801 TGCCATTCTA TCAGCCCTGC TTTTTTTTTG TCTCTTTATC CTTTACATTT
209851 CTAAACCGTA ATTTCAAATG TCTTAAGAGT TCTGTCTATT GATACCTATG
209901 AATGTCTTTG AAACCCCTAAA GCAATCCCAC AGGCATTGAC TTGCCGAGAA
209951 CCTGGGCATT AATAAGAGAC AGCTGCAGTT AGAAGGTTTT AATAATGCAG
210001 AGTAAACAAG GCATTAGCAG TGAAATGTGG ACACGTTGAC AGTCACGTTT
210051 CAGCAATTCTG GAATTCAGTG AAAGAGGCTT TTAGTCTTAT GGGAGCTGTG
210101 GGGGCTTGTG GGCAGTTTGA GTTTTGCAGA TGTGGCTCTG TGTTCCCTATC
210151 ACCGCACACA CTTTAAAGCA GAAGGCCACC ATCAGTAGTG AGATAGGAGT
210201 TACGATATTA GCTTCTGAT TTCAGGGAAG CCCTCACAAA GGTGCCATCA
210251 GCTCTGTCCCT ATGGCTTTGT GCTAAACGGC ATCTTCTGCC TTCCTATGAA
210301 TTATGAATGC ATATAAGCAA GGGCTTGGCT TCTAATGAGT TCAAGCTGAG
210351 ATGTGAAAAG TACATCTGAG TGTGAAGAAG ATGGATAAGG TCACCTTGGT
210401 GTTTTGGTTT CTGTAACCTA GTGACATTTT CCAGGGCTGT TCTGGACACC
210451 ATTTGTGGGA GAGTAGATGA TAGTTTAAAA ATGCAACTTG GAGAAAAAAG
210501 TAGGTGGGGC TGGGTACATT GGCTCATTCC TGAATCCTA GCACTTTGGG
210551 AGGCTGAGGT GGGAGGATTG CTTGAGCTCA GGAGTTTGAG AGCAGCCTGG
210601 GCAACATAGT GAGACCTAAT CTCTACAAA AAATTTTAAA ATAGCTGAGC
210651 ATGGTGGCAT GTGGCACTA AGCTACTTGG GTGGCTGAGG CAGGAACATC
210701 ACTTGAGCCC AAGAGTTGA GGCTGCAGTG AGCGATGATT AAGCCACTGT
210751 ACTCCAGCCT GGGCAACAGA TGAGACCCTG TCTCAAGAAA ACACTTTTATG
210801 AAATGCAACA TAGATGAGTT ACTTTTGGG TCATTCAATT ATGCATCACA
210851 TATTTGAATG GTCTAAGCAC TGGGTATATG GTAGTGAACA CAATAGACAT
210901 AGTTCCACCT TCATGGGATC TCACTCAGCC TTACATATTT ACATAGTATT
210951 TATTGATTGA CATCTCCTAA ATGTGTGCCT TCTATTCTTC AGTTCTATTT
211001 TCGCAGAACT CTAGACTTAC ATATCCAGTC TGCCTGGGAG TGGGGTTAGG

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211051 AGTCTCTAAT AGACATCCTG AAATAAGCAT GTACGAAAGA ACTCTAGACT
211101 CACATATCCA GTCTGCCTGG GAGTAGGGTT AGGAGTCTCT AATAGACATC
211151 CTGAAATAAG CATGTACTAA AGTTAAGCCC CTCATATACT CTACCCCTCAG
211201 TCCAAATTAG CTCCTCCTGA GCCAACCTCG ACTGACATCC TTTCACCTCAC
211251 ATTCATATCC AATCCATAAG CAAAACCTAT TGGCTTGACC TTAAAGTAT
211301 ACTTGGAATT TGACCACTAC TTACTACCTG CATTCCTACT GCGAAAGCCA
211351 TCATCACCTT GTCGTAGCTT CTTACTGGTC TCCTACTAAC CCTCCCGTCT
211401 CATTCAAAGC AAAGAAAGGC TTTTCAGTAC TTCATCATCA TCACCTCACT
211451 AAGCCCCTCT CTTCCATCAA CATGAGAATT GTCCTCACTC ACTCCACCCT
211501 TCCAGTTTCT GGAACACACC AAGCATGTCC CTGGCTTTGG GAGCCTTGAA
211551 TGCTCTTCCC ACCAGATACA CAAATGATTT GCTCCCTCCC TGTCTTCAAG
211601 TCTCTGTTTA TATGTCATCT TATCAGGGAG GACTCTGACC ACCTTATATG
211651 AAATAGCTTT CACTGGACTG AGAATCCCCT CTTTCCTCTC CTACTTTATT
211701 TTCTTCCATA GTCTTTATTG CCGTCTGAGT GGCCACTATT GCTTATTCTT
211751 TTATGGCCTG TCTCCCTCTG CTAGAATGAA AGCCAGTAGA GCAGATATTC
211801 TATTTTTTTT CACTGCTATA TTCCCAGCAC CTTGAACAGT GTTTATCACA
211851 GAACAAATAC TTAGTAGATA TTGTGGAATA CGTGAATGAA TGGATGCAGT
211901 GTACAGTCTA GTGGTACAGG TAGCCAATTA GCCAGGACAC AAACAAAGAA
211951 GTAAGAGCAA CTAGAAAACA AAGAAGCTGA AGTGATAGAG GAATGGGCAT
212001 TTGGGGTTTA GGAAGACCT ACTAATAAGG GAAGTCAAGG AGAATTTCTA
212051 GAGATTGACT TTTCAGCCAT GACCTGGAGG ATGGAAGGA GCCAGCCCTT
212101 GATGGGACAA AAGGGAAGT GGAGAAGAGT GCTTCACAGA GAGGGAACAG
212151 AGATGAGGG AAAGCTCCAG GTCATGAAAA CTTGGGCGCG TTCCAGAAAC
212201 TGCATAGTGA GCAAAAAGAT CATAGTGAGC AAAAAGATCT TGGGGATGAT
212251 AGAGATATTC TTTACCTTGC TTTAGGTGGC ATATACACAG GTGTATACAT
212301 TTTTGAAAAC TCATAGAATT GTACCCTTAA GATCTTGCA TTCACGATGT
212351 GCAAAATTTA TCTCAATAAA AATAATGCAT CATTAAATAT TACATCAAAA
212401 AAAGAAAAAC TACAAAAAAA CTACAACAGA GTTGCAATAT TCATGTAGAT
212451 AGATGAGCTC TATAGGTCTG CAGCCTGCAT TGAGGCCACT TCCTGGCTGC
212501 TTGTGGACAG TGCTTGCCA CAGCTTCAAG AAGGTCTGGA TACACTCAAA
212551 TGAAGCCTCT CAGGAAAAAA AAAACATGGG TCCAGAGTGA CTCTGGGTGA
212601 GGAGGGAAGA GGAAGAGGGT TTTGCATGAT TTGGTGGGAT TTACTTCTCT
212651 ATGGGATGGC TCTGAGAGAA GAGGTGACCA AGAGGTGAAA GAAATCAGCC
212701 CGTTTATACC CTAACATCTG TTGACATAAG GTTGACTGAG GACGTGCCTG
212751 GGGTCTGAGC AAGATGAAGC TCAGCTGAGC ACTTCTCCTA GCTGGGGCTG
212801 TGATAGAAGG TTATGCGTAC TCTACTCTAT ATATACCTTT ATAGGTCTAT
212851 GCCTGCTCAG GATTGTTTGG CAGATGGAGG ACATGGTGTC AAGCCTGGCA
212901 GCACAGCATG AAAGCAAAGC ATGCATGCAT CCATTCTCAC TCAGAGCAGC
212951 TTTCAGCCAC TGGAACATA AAACACTTCT GTAGCTCTGA ACCCATCTAT
213001 GTGTGTGTTG ATATGTGCCA AGCCTTCTCT AGATATGCCT TCGGGAGTCA
213051 GTATAGCCTA CCAGCCAGGA GAGTGCTGAG GGTGCTAGAT GTAGACAGAT
213101 GGCTGAGTTT TCACACCTTC AAGGTGAAGG AGCAGTGAGC AAAAGAATAA
213151 CCTTTTGGGA GACTCTCAAG AACATCTAAA GATAGATATG CAATCTCTAA
213201 GGGACTGCTG GTGCTCAAAC TGAGCTCTCA TCCCAAATA AGTTCTTGTTG
213251 GCAGCTAGGT AGCTTTCATT CATTCAATCA TTCATTCAAT CATTACACA
213301 GTCACAATTC ATTTGTTACC AAACAATATA CATAATATTA TATATAGTTA
213351 TCATTTTACA GATATCATTC CCTTAGTTAT CCATTCACTG TCAATGAGAA
213401 CTGTGTAAAT GGTTTTCACT TACCTAACTT TCAAACAAA CCCTGTCATT
213451 GGTTTTCCAT CTCCAATCT TTAAGTTTCA AACTTGCTCA ATATTTTCT
213501 TAACCAAATC ATTTATCTAT TGTTTTATG CAATGTAATT TTTTTTCCC
213551 TTTAACTCAT TTAGCGAGAG CAAGTTCCT GTGGATAGTG GAGGAGGGAA
213601 GAATATGGCA TCTTATGTCT TTAAGCCTTG CCTTCTCTG GCTCCTTCT
213651 CAGAATCTTT ATCCACAGAA AGGCTAACTG TTCTTAGACT TGGGAAAAAC
213701 AAACCTCTTA GAACTAGGCT TCTCCCATGA GTGGGTTTTT ATTGGTTTGT
213751 TTCCTAATAG GTGTGGCAA ACCTCTTCC TACCTTGCTG CACCTTTTCT
213801 ACTGGAGTTG GCTGCAGCTT GGACAGTACG CCACAACCAG AGTCTCTTGG
213851 ATAAGTGACT GTCAGCAACA GCTTGAGAAA CAACTGTCA GAAAAGGATT
213901 ATTTTCTCC AAATGGGAGG CTAAGGCTTC ATCTCTCTTC CTTGTCTTGT
213951 TATACATTTG ACACATAATT GGTTTTGTG GTTGTGTTG TTGTGTTGT
214001 TAGAAACAGG GTTTTATTTT TGAAAACAGA AAAAGCAAAC AATATTTTAA
214051 AAATACAGTC TATCGATGTC ATCATATTTG GCTTGAATA CACAAGAATC
214101 CAGTGACTGA AATGCTGTG CTAAAAACAT AAACATTTTC TTATATCAGT
214151 TCCAACCCCT TTTAATTAA TAAATATTTT CTGAATGAAA TACAACCTGGA

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214201 TAATGAAGTG ACACAGTTTT TTTCTTGTGA ATTGAATCTT TCGTTATGAC
214251 TAGCTCTAAG TGAGGAGATC ATCTGGATTA TTTTGTCAAA CAACTGCCTG
214301 ATAACATAA GAAGATCTAC ATGGTGTGAT TTTTACAATC CTGTGAAGAC
214351 CCCATCTGAC TTTCTCCTTT GAGATTGCCT GCTTGCTGCT GCCTAAACTT
214401 TTCTTATTAG AAATTAATCT CTCTGATATG AGGTCATATG CCTTATGAAA
214451 TACAAATATC CTGAGAGAGA TAACACATAA ACTTTATCAA CCATTTTTTTG
214501 GTTTTAATGG ATCTGTCATA TCTCTTCTTG ACAGAGAGCA TATTTTAATA
214551 GATAGGAGAA TGAAAATAAA TATGAAGGCA TATATTAGCT CCCTTGTGAA
214601 GAAAATATAC TTGTTGGGAA GTGCAGGAGT GTAGAGAAAA GAGTAAGAGC
214651 AGAGAAAGAG GAGGGTTTTCT AAATTGTCAT ATTCCTTGAC CCAGTAATTC
214701 TATTTCTGAT GGGCCAACCT AAAGAAATAA CAATAAACAT GAAACAAAGA
214751 TGTATGTGTA AAGATAGTCA TTGCAGTATT CTTTAAACAA AAATAAAATG
214801 AAAGCAATCT AGATGTCCAA TGATAAGGGT ATGGATAAAT ACATATGATA
214851 TGCTTTTAGG GAGCAATGGT CCAGCCATTA AAATTATGCT TCTGAAGAAT
214901 TTTTAATAGC GTCAGAAAAA AGTCTGAACA ATATTGTACA TTTTCTGTTT
214951 GGAAACAGAA AAACCAACAA ATGTTTTTAA AATGCAGTCT ATTGATGTCA
215001 TCATATTTGA CTGGAATATC CTGAGAATGC AGTGACTGAA ATGTGTGTTT
215051 TAAAAACAGA AACATTTTTT ATATCAGTAC CAACTCCCTT TAATTTAATA
215101 AATTTAATAT TCCAAACAAT ATTGTACAAC AGTACATTGT ACTGTTTTTT
215151 TGTGTATTTT ATGTATAGAC ACACATACCG TACATATATA GTATAATCTC
215201 AAATATCTAA AAGATAGGCA TGCATATAGC ATACATATAT AGTATGATCT
215251 GAAATATCTA AGAGATAGAT GTATATAGAA AAGACTGACT ATATATGTTT
215301 ATGTGTGTGT GTTTGTATTA ATAGCAGTGG GATTTGGGGT ATTTATTTTC
215351 TTTGATAATT TTTCTATATT TCCAGATTAA AAATAAATGG GAATTGTTAG
215401 AGAAAACATT ATTTTCAATA TTTGTATTTT GACATTGTCT AAAAAGGGAG
215451 ATTCCTTCAG ATATGATAGT TTTTTCCTGT GGCTGCTAGG CAGGCATTGA
215501 TAGTTATCAT GTACTTCATG GATCTGACTG GACCTTTTGA GAACAGCTAC
215551 CATTCTCCA TAAAAGCAAT GTCTAATTC AATTAGTAAAT GACTGCATAG
215601 GTTTCTGAAA AAAAATGTGG GCATTTGACT AAACCTGAAT CTGTGGGACA
215651 GTTTTCTGAG ATTGAATCTT ACAAGATATT CCTCATGTCT CTAAGGCATG
215701 TTATTATAAT GGAGGGGTTT GTGGCTATGG AGGAAGGAGA CTTGAAGAAC
215751 ATTTAAGTTC ATCAACAAAG AAGCCGTTGT TATTTTCACA GCATTTGAAA
215801 ATCTGGCTTC CCAGCACTTG GCTGAGATGA CTGAAGGCTG GTGACACTGT
215851 AATTTGGCAT CTAGCAAGAT GCAGTTACTC TCTCAGGCCA CTTAGCTCCA
215901 GTAAAGTTCA ATTTAAATTA TGAAACAGGG AAGAAATGCA AAAGTTCCAA
215951 TCAGCAGCAT AATTCTCAAT CACACTGGCC ATAATATGCT CCTGAAAGAT
216001 GTTTTCTTTG ACTGAATCTT TGCTACGCCC GGCTGATTTT TGTATTTTAA
216051 GTCAAGTCGG GGTTTGACCA TGTGAGCCAG TCTGGTCTTG AACTTCTGAC
216101 CTCAGGTGAT CTGCCACCT TGGACTCCA AAATGCTGGG ATTACAGGCG
216151 TGAGCCACTG TGCCAGCCA TAAATTCTTA ATTTTCCTTA GTATAACCAC
216201 AAACCTGAAA ATAATTAATA CTTTTCCAG ATCATTAGGA TGCTGTTTTG
216251 GATTATTTCA AGCCTGCTTG GTGGAGGACA AATTTATTTT GTATTGAAGA
216301 CAATATTTT ATCAAAATC AGTTCTGTGA TTTCCCAAC CGTTATGGGG
216351 GAAGTCTGAC TCTTAATGAG GGTAAAGGTA AATGACGAGT GGTATTCCTA
216401 GATTTAGCAC TCCTGAAGA CCATACATTT CCAAAGAAGA GCTAGTTGTT
216451 CTCCAAGGGA AAAAATGCAT TAGATTTCTG CTGTATTGAC TAAATTGTAA
216501 ATTGAATAAA ATATTTCTTT TATTTCTAATA GCATTTACTA TGTATTAGAA
216551 TTTAATATGT ATTTATTTA GATAATTTGG AAAAGACATA AGCACACGAA
216601 GGAGACAATA AAGATCACTC ATAATTTAAT CTTTATGTC AAACCACTGC
216651 TAACATTTT TTGTATGTTT TTGCCATGAC AGATAGAGCA ATAAATCTAG
216701 AGATTGTTAT GGAGAGAGTG ATGTAGATAT ACATAAAGTT ATTTTCTTTT
216751 TTAATAATAG GATTATACTG AAATAATTTT GGAACCAGAT TTTTTTTTCTG
216801 CCTAAATGTA GTAAGAACAT TTTTCCATGT TATTAAGTAT CCTTCTACCA
216851 TACAGGGAAA ATAAACATTT CTCCCTTATT TTGACAGGAC AGTGATATCG
216901 AAGCGTTGGC CAGGTGTTTG GAAAATGTCC TGGGTTGCAC TTCTCTAGGT
216951 GAGTAAGTTC CTTTAGGCTT CAAAATACAT TGACAGCTAC TGATTATCTT
217001 GGAATAACTT GGAAGAAATC TTACAGGTGT TTAAGTCTGA TATCTTAGTA
217051 TAACAGATGA AGAACTGAG GCCAATAGAA GTTGAATGTC TGACCCAAAA
217101 GCCAGGAAAC TCAAAGAAAA ATTGCTTATT ATTATTGTAA GTAACCTCTA
217151 GTCTCCAAGG ATGAAATAAT TGAAATTCAG TGGTCCCTTG TGATCAAATG
217201 GCAGCCTAGC AGTGCATAAT AACAAGTTTG TGCAGTTTCT GGAAAAAGGA
217251 ACCTCCCTAC CTAATTGTC TTTTAGAAGC AGAGAGCACA GTACATTCAG
217301 TTAAGCTGGG AGGACCATCA CTCCGAAGGT CAGTCAGTTA TTTGAAGAGA

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220501	TTCTTCCACT	CTGTGGGTTG	TCTGTTAAAT	CTGCTGTTTA	TTTCTTTTGC
220551	TGTGCAGAAG	CTTTTTAGTT	TAATTAAGTC	CCATCTATTT	ATCTTTGT TT
220601	TTGATGCATT	TGCTTTCAGG	TCCTTGGTAA	TGAAGTATTT	GGCTAAGCCA
220651	GTGTCTACAC	GGGTTTTTTC	TGATGTTATC	TTCTAGAATC	TTTATGGTTT
220701	CGGTCTTACA	TTAAGTCTT	TGATCCATCT	TCAGTTGATT	TTTGTATAAG
220751	GTGAGAGATG	AGGATCCAGT	TTCAATCTTC	TACATGTGAC	TTGCCAATTA
220801	TCCGACGACG	ATTTGTTGAA	TAGGGTGTC	ATTTCTACT	TTATGTTTTT
220851	GTTTGCTTTG	TTGAATATCA	GTTAGCTATA	AGTATATGGC	TTTATTTCTG
220901	GATTCTCTAT	TCGACCCAT	TGGTTTTTGT	GCCTGTTTTT	ATACCAGTAC
220951	CATGTTGTTT	TGATGACTAT	GGCCTTATAA	TATAGTATAG	TTTGAAGTCA
221001	GGTAATGTGA	TGCCCTCCAGA	TTTATTCTTT	TTTCTTAGTC	TTGCTTTGGG
221051	TATGCAGGCT	CTTTTTTGGT	TTCATATGAA	TTTTAGAGTT	TCTTTTTTAA
221101	GTTCTGTGAA	AATGATGGT	GTATTTGAT	GGGAATTGCA	TTGAAGTCAT
221151	TTTCACAATG	TTGATTCTCT	CCATCCATGA	GCGTGGGATG	TGTTTCCATT
221201	TGTTTGCATC	ATCTATGATT	TCTTTCATTA	GTGTTTTGTA	GTTTTCCCTG
221251	TAGAAATTTT	TCACTTATTT	GGTTAAATGT	ATTCCTAGGG	TTTTTTTTTT
221301	TTGTAGCTAT	TGTAATGGA	ATTGCCTTCT	TGATTTGGTT	CTTAATGTGA
221351	TTGTTATTGG	TGTACAGAAA	TGCCATAGAT	TTTGGTATGT	TTATTTTGTA
221401	TCCTGAAATT	TTACTTAATT	GTTCATCTA	ATCTAACAGT	TTTTGGAGAA
221451	GCTCTAGTGT	TTCTAGGTAT	AAGATCATAT	GATCAGCAAA	CTGAGATAAT
221501	TTGACTTTCT	TTTTTCCAAT	TTGGGTGCTA	TTTATTTTTT	TCTTGCTTGG
221551	TTGCTCTGGG	TAGGACTCCT	AGTACTGTGT	GGAACAGGAG	TAATGAAAGT
221601	GGGCATTCTT	GACTTGTACC	AGGTTTAGGA	GAATTGCTTT	CAACTTTTCC
221651	CCATTTCAGTA	TGATGTTGGC	TGTAGATGTT	TCATATATGG	CCTTTATTAT
221701	TTTGAGGTAG	GTTTCTTTTA	TGCCCTATTG	ATAGAAGTT	TTATCATGAT
221751	AGAATGCTGA	CTTTTTTCAA	ATGCTTTTTT	TGCATCTATA	TAGATGATCA
221801	TATGGTTCTT	AAAAAATTTA	TGPGGGTACA	TAGTAGGTGT	TTGTGTTTAT
221851	GGAGTACATG	AGATTTTTTA	AATAGGCATA	CAATACATAA	TAATCATATC
221901	ATGGAAGCTG	AGGTTTGGGT	CTGAAAAAAT	GCTTGGGGCA	CTTCTGGGAG
221951	CCTTTCCTTC	TTACAGCCTG	CCAGCCTTTC	TCCAAGTTAG	CACCAGGGCT
222001	GGTGAGGGAG	AAGTGCTCT	TCCATGGCCT	GGATTGCATG	GTCCCCCGT
222051	GGAAAGCTGG	ATCAGCAGAA	AACAGTCTCT	CTCACTCTCC	CATATTAGGG
222101	CTTTACTCAC	AGTTCCTCAGT	CAGTTGTTGG	CATGCAGGCT	GTCTACCCAT
222151	CCTCTCTTCA	CTGGGATCTT	TCCTTTTCCA	GTGAATTCTT	CTGTTCTTTC
222201	TTGAATAAAA	GATTATAGTG	TGAATCTCTG	TGCACTATTT	TGCTTTTTTC
222251	ATGTGAAATA	TTTAAAAATA	TTTTTAGGAG	AAATTAGATG	CAGACCTTGT
222301	TCTTTTACCA	GTTTCAACCA	AAATTATCTT	CACCTTTACT	TGTTTTATAA
222351	ATTGAATPTC	TATAAAAGAT	TGTGTTCTGA	AAAAGATAGA	TTCCACTGCT
222401	AAAAATTGAA	ATAGCACTGA	TTGAATAGTT	AATATCCAAA	TTCTTTCTTA
222451	GGCTGGGTGT	TTTTTTTTTTC	CTTAAAGAAA	TGAGCATTAG	AATCATGGAG
222501	TAAAAATACA	CATTTATCTC	TGCTTGAAGT	CCCCTAACA	TGACAAAAAA
222551	GGAAAAAAGC	TAATATAAAC	CTACAGAAAA	AAAAGAGAAC	ATAAGAGGAG
222601	ATGGAAGCAG	ATGAGAGCTT	TAGTGAACCT	GAGAAAGTAT	TAAAGCAGAT
222651	AGATGAGTGA	TAACTGATTT	AGAAAACAGA	GAAAGCTGAA	TAGCTAAGTG
222701	CTAAGATGTA	TATAGGAAAG	AAGGGAAGGT	AAGGTGTAGG	CTAGGAGAAG
222751	CAAGGCAACT	GAACCTACAG	AATCTCATAA	ATGCTCAAGA	TTTGGAGGCC
222801	TCAACTACCG	CTGAAGGCAT	GGTATAGGTG	AAGATTAAAA	TGGGAAGATT
222851	GGTTGACAGT	GTGCGTAAGG	AGAAATAGAC	CCCAGGTGCC	TTTCTCTCCA
222901	CTGGCAGACG	CACAATATTC	CTCTCCACAG	TCAAGACAGA	AGAAAACAGA
222951	CTCGATTGGG	GGGAACATTG	AATCAGGAAG	GTTTTAGGGA	CACCAAAGGA
223001	CAGGGTGATG	TGATGTGATG	AAAACAAAGA	GATGAGTTGA	AAGTCTTCAT
223051	ATTAAGTTAT	GAAACCCCCA	GATACCATTC	CTACTTGGCT	TCTGAAACAC
223101	TGGAAGAACA	GCATGGACTC	CTTCAGGTTT	AGAAAAGCAT	GGACTCTTTA
223151	GAGATATCTT	CTCTGACAGC	ATTTACCAGC	CTGAGAATCC	TAAGGATGTT
223201	AACATTTCCT	CAACAAAATG	GTGGGAATGA	GCGCTACCAG	TTGACAATCT
223251	CTGAATCTGC	AGAAAGAGCT	TAAACTGACT	TTTAATTTTT	GACACTTAAA
223301	TGTGAACATG	TAGCAATGCA	GTAGCCAGTA	TCTGAGGAAA	TCTAACCAAA
223351	AAGAGAAATC	AAGACAAAAA	TATACAAAGA	ACTCAGGAAA	CAGACAATGT
223401	AGACAAGAAA	ATAAAAATTC	AAAACTGTG	TATCCACAAA	AGTTTTTTAA
223451	AATAAAAAAT	TAAAGAAACA	ATATTAATAA	TCTAAAGAT	AGCAGAGAAA
223501	GTATTACCTC	TGTGAAGCAAG	ATCATACAGA	GAATAAGAAA	GAGCTCTTAA
223551	AGTTATAATT	TTAATGGCAG	AAATAAAAAA	TCAGTAAAG	GTTTGAAGA
223601	TAAAAGTGAG	GAAATTTACC	AGAATATAAT	TAATAAATGG	TAAGAAAACA

223651 AAGTGATTCA TCTACGTGAT TCAGCACCTA ACAAATAGAA ATTCCAGGAA
223701 AAAAGAACAG AAAATGAAAA AAATTATCAA ATAAATAAGA AAAATATCTA
223751 GAGAGAATCA AACAGACCAC TTATAAAGTA TCAGAGAAAA GAGTGGTGTC
223801 TTATTTTTC ACAAATACTA AAAGCTAGAA GATAATAAAG TTGGAACCTA
223851 CAAATATTTA TCTATCCAAA CTATCAATCA AGTGTGAGAA AGGAAGAAAG
223901 ACATTTGCAG GCATCCAATA TCAAAAAATGA GGTCTGAAAA ATATCTACCT
223951 CCCATGACTT TACTTAGGAA GTTCCTAGAG GATATGCGTC ATCAAACCTA
224001 AGAGTCAATC AAGAAAGAGG AAGACATGAA CTTCAGGTGA TAGGAAATCC
224051 AATATAGGAG AGAGGTTAAG GGGATTCCCA GAATGAGAGT AAAGAAAGGT
224101 CACTGAACGA TAGGTGGGCA ACAGGCCTGG GAAATAATCC ATTCAGACTA
224151 GAATGAGTCA GAGAATTCCTA AGGGGTAAAT AAATATCTCC TAGAGAGGAA
224201 TGGAACTAAT GGATAACCCA TTTGGATTTT ATCATAATGA GAGGAGTTTG
224251 CAGTTCCTTT GGTGAGTTTA GGGATGAATT AGAAGTTATT AGAAAACTAA
224301 ACAAAGTGAA AAATCCAGGG CAATTATGAA CTCCTGGAAA AACAAAAAGT
224351 CATTTTTTAA AAAGAAAATG TAATCTGCAC AACTGAGTG CTTAGCTGTA
224401 TACAATATTT GCATAGTCAT AATAATTTTT TTTAAATGTG ATGTAACCTA
224451 ATTGGAAGCA TGGAGGGAAG AAAAATATTT GTAAGTGTAT GTGTGCATCT
224501 GTGTGTGTGT GTATAACAGA GAGAGGAAAG AAAGAACAAA ATTAACATTC
224551 CCTATTTATA GTAGGAAGTC CAAAACAGAT TGTCTAAAC AGAAAAGTTT
224601 AAAAAAATA GTGTATAAAA CATGTGCTAT AGAGAGATAA AGGTAAATAC
224651 AAAAAAATAA AAAAACAAGT TAAAGAGTTG AATATGGTTG ACTTTGGAGA
224701 CTGGAACCTG AAGGTGAGGC AGGAAGCTTT CTTGTTTTTA ACATTAAAG
224751 CTTTGACTTA AAAAAGTACT AGGTACATGA ATTCTTAGAT TAGAAGTCAA
224801 TTTTTAAAAA GAGGTAAGTG TTGGAAGCA AAGAGCCCAA TTCTGCCCTC
224851 CATTACTTTA GTGTGCCTGC TATTAAGGCT GGATTAAGAC TTTTGGACAC
224901 TTTGATTTCT GAGAAGATTA TAGTAACTA AATTTGTAAA TTA AAAAGAA
224951 GCTAGATTAT AAAATAAAAA ATACATATAC CCTGAAGTTA TAATAGCTTC
225001 TTTTCAGATT ATCTGATTGC AAGGTTCTGA ATACGTTAAT TAAATGTATT
225051 TTTTCAGTTT GGATACCTTT ACTCTGCTTA TGTCTGGCA TCTGCTGGGA
225101 TGATTTATAG GACATTTTCA AGTTCATTCC ATGTAAGTGC TAAAGTGCTT
225151 GCTGCCCCAA GCTGTGCAAC ACAGGAAGCC CCTTAACCTT TCTACTGCTT
225201 CTTATGACTA TGATGACCTC TTATTGTGTG TGACCTCTTA TGTACCAGA
225251 ACAGTAGAAT TTAATTAATG CTGCTGCTGA AATGGAAGGA GTTCTTTGAT
225301 TATGGCTACA GACATTGAGA TGATGGGAGC ACATGCTTTT GAAATACCTG
225351 TCTGGTGTGG AAATCATAG CAGGACCCTC ATTACACATG AGAACTTTAT
225401 TGCTTTTCAG ACTGCAAGAA CTTCCTGTG ATTATATAGA AATCATGAAG
225451 ACAATCCCAT CACATAGTCT TATAAGGTC TAACATTGCC CAGGTAGCTT
225501 GTGTCTGCTT TGTTCTATT ACATTTTTTG GAGGCCCACT AACTGTAATA
225551 ATAGTTAGAG CTTATTAATC ATTGTGGTTG TTAATATATG TCAGAATGTT
225601 AACAGGATCC GGGGACAATT TAAGCTTAAG TATGTCAGAG TATAAGCTTT
225651 TTCACTCAA AATGAAACCT CTGTGAATTG AACTAGGCTT TACTCATGCT
225701 CATTATCTGC CTAGGCACTT TGGTAATGCC CAGGTGCCTG CAGAGCATGT
225751 CAAGATATGT ATGTATCTTC TACAAACATC TTCAAGAGCT TCTTCTATCT
225801 CTTAACCAGA GAAGAAAGAA AAACAGACAT ACACATGTCC TTTCTGGTAA
225851 TTTCAACCAA GAAATTTTTA ACTTCGAAAC CCTGAAAATG CTGTGTGTAG
225901 TGGCTTGACC CCATTCCTGA CCCCAATTTA GTTTGAATTC TACTTGAAC
225951 AGGGACAGTG ATATTTTTCT TTCTTACATC ACAGATGAGT GGACTTAATG
226001 AATGAGTTAG CATTTGTGTG GCTTCAGGAG ATCCTGAAGA TGACTTTTTG
226051 CATTTCAGT TCAGTGTATT AGTCTCCTTT ATAGCATCAA GGTGAGATTA
226101 AAGCCTTGAG ATCAGTGATT TTCACACTTG GGCATGCATC TGAATTACCT
226151 AGAGGGCTTA AAATACAGGT TTGGTATGTG TCCAAGAATT TGTATTTCTG
226201 ACAACTTCCT ACATGATGCT GATGCTCTGG GTCCAGACTG CACTTTAAGA
226251 ACTATGGCTT TATAATCTTT AAGCCTTGAA AGGATTATCG TGCACACTCA
226301 CCCCATTFTA TAATCAAAC AGAACAATAC TAAAGTGTA AATAAAAAAT
226351 TTATTTCCAA AAATTATAGA GAACTTAAAA GCTATAAGCT AAAATGAAAT
226401 GTTTTCTTCC TAGATTTTTT TCCTCTTTCT TTCTGTGATC CTGCTCTGTG
226451 TGATGGGCTA TCTGGCACTG TGCATAAGAG TTAGTGAGCT TCCTTAGAAG
226501 TGGTATTGTA TTTCTGCCTG ATCCTCAGCA TCCACATCAG GCATTTAGAG
226551 AGCTCATGAA GGTTCAGGC ATTGCATAAA GAGTTGGATA TTGAGACTCA
226601 TTTAGAATAT GGTCTTGTC ATGAGGTGGG CTCTGGACA GATCAGTGCA
226651 AGGTTTTGTG AAAGTACCAG GGAATACCTA CTAGGTGCTT TTCTCATACA
226701 TGGAAAACAA ATTGTCTTAC ATGAAGGCC CTCAATTTACA AAACGCTAAA
226751 TTCCCACCAA AATTTCCCAT GGGATACAAG AAGCAAGACC AGACATGAAC

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226801	AGGATATTAA	GTGATTCTAG	GCAGAATTAG	GAGAAAGAAA	GAGGGAAGAA
226851	ATGAAAAGGG	AACAGAAAAA	AAGTCCAGAA	TGAGGGCATG	GGGAATAGCC
226901	AATAATATAG	CCAATAGCTA	TTTTACTGAG	GGCAGATACT	TTGAACATG
226951	ACATTTCGGT	AGTTGAAATT	TCTATCCTTG	ATTTCCTTTC	CTCTTCTTCC
227001	TTCCCTACAA	ATGTTTATAA	AGTTTGCATT	ATAAGCCAAA	TGTCACAGAT
227051	AGAGTGGCGA	AGAAAACAAG	TCCCTGTCTT	AATGATTCTC	CAGTATAGTC
227101	AGGGAGGCGA	ATAATTACAG	AATACTGTGA	TGAGTACACC	ATACACTGTG
227151	AATAAGGCAA	ATGTGTGTTG	GGTGTGTACT	GGGGTATAAC	CCCAGTGCAA
227201	TGTACAATAT	CCCTGCTACA	AAGTATATTA	ACTTCAATGA	AACCATAATG
227251	CATGTGTATT	AAGTGAATTA	ATGATTGGTG	AGTTTCTCTT	TTAGCTATGT
227301	AAACTTGATT	ACTGGAACCT	CTTTCTAGTT	AACACCAATA	TACATAATGT
227351	TCTTTGCTAT	GAGTATGCTA	ATAAGAGTAA	TTAATAATAT	TGTTAAAGGG
227401	ATTTATTTAT	ATTACAAAAGT	CTTTTCTGTG	CTACCTCCCC	TTGCTACACA
227451	TGGATCAAAT	GGAGCTGTCT	GGCAAGGTAG	CAGACATGTA	GCATGTTCTC
227501	CGTAAGTTGT	CACTAATCCT	GAATCTGTTG	CGTTCTTTGG	AGTTTTAAAG
227551	AAGTTGTAGA	AATTTAAATT	TTTCATAAGA	CATAAATCTC	TATAAGACAT
227601	AAACAGAAGG	GATTAATGGAA	AACAGATATT	GTGTATCCAC	ATCAAATGA
227651	TCCAAGTGGC	TTATAATCCA	GAATATCCCT	TCTCTCTTCC	AATGAAAGTG
227701	GTGCAATGCT	GTCCAGTAACC	AAAGTAA AAC	AGTATGTTGA	AATCTCTGTG
227751	AGACTAGCAT	GAGAAATTTT	TTTCTGTCAA	GGTGAAAAAC	ACAATAGTGC
227801	AAGATTAACT	GACTTTAAGT	CATCACCACA	CTTAATGGCT	TAAGAGTTTG
227851	AAGAGCTTAA	GCAAGGGAAG	TTTCTAAGGG	ATTCAGAAGC	CCTGATGATT
227901	TCTCTGGTCT	ATATCAGTGT	TATTGTTTAG	CAGAGATTAA	GGAATTATTA
227951	CCAAAGTTCT	ATGGAAGAAT	TGAGGGGTAA	CAATTTTCAA	ACAGCAAAAAC
228001	TGATCAGACC	TATTAACACA	TAAAAGAATT	CTTAATGGGA	AGTGAGGTTT
228051	TGGAGCATCT	TGGAATTTCT	TAATCTTCTT	GAAACAACAT	CCAGTTTGGGA
228101	TGTACAAAGC	CTTTTTATAA	ATATAGTTTA	CCAAGGACAT	GTATAATTCT
228151	GCTGATAACT	TTTCTCAGCT	AGAAGTGCAG	CTAATTTGGC	TGGGCACAGT
228201	GGCTCACATC	TGTAATCCCA	GCACTTTGGG	AGGCCAAGGT	GGGTGGATCA
228251	CCTGAGGTCA	GGAGTTCAGG	ACCAGCCAGG	CCAACATGGT	GAAACCCCGT
228301	CTCTACTAAA	AATACAAAAA	TTAGCCAGGC	ATTATGGCGG	GTGCCTGTAA
228351	TCCCAGCTTC	TCAGAAAGCT	GAGGCAGGAG	AATCGCTTTA	ACCCAAGAGG
228401	TGGAGGTTGC	AGCAAGCCAA	GATCACACCA	CTGCACTCCA	GACTGGGTGA
228451	GAAGAGCAAG	ACTCCATCTA	AGAAAGAAGA	AGAGAGAGAG	AGAGAGAGAG
228501	AGAGAGAGCC	AGCCAGCCAG	CCAGCCAGAA	AGAAGGAAGA	AAGAAAGAAA
228551	GAAAGAAAGA	AAGAAAGAAA	GAAAGAGAGA	AAGAACAGCT	AATTTCCCAA
228601	ACATTTAAGA	ATGTTAAAGT	TTGTAGATTA	CCTTGGCTCA	TAATGTAGTT
228651	ACTAAGATAT	GGAGACAGAA	TTTTCAATTC	TAGAAGTTTC	AAGAAAAATG
228701	AAGTTAGAGG	TCATCTTCTG	TCTTTCTTAC	TGAGCAATGA	TGATCCTAAA
228751	CAGTTACTGT	AGTAACATGT	GATCTGTTAT	CTGAGTAGTA	ATAACACATA
228801	CCCAGTTCTA	CATTTCAAGT	CACTGCTTTC	AAAGCACTCT	CCTTGTTTGT
228851	TAAAGGTGAC	CTTTTCAGAT	CGTACTTTAA	AAAAATAAAA	CAGTGGTATC
228901	CTAACCCACA	GGATGAGATT	CAAACTCCTA	ACCTGGCACA	CAAGATTTTT
228951	TTCTGGCCCT	GGCCCTATAC	ATCTAGGTTT	ATCAATCCCT	TCTCACCACC
229001	TTACATTCCA	GTAGACCCAA	ACTTCTTGAT	ATTTCCATGA	ATATACTCAG
229051	TTGTTTCACA	CTTCTGAGCT	TTCACACTGC	TTGATCCTTT	CTAGAGAATG
229101	CTTCCCCTCC	CGACTGCTTG	GCAGCTCTAC	TTCTPATCTT	CTATTCATTC
229151	ATTAAGTGAT	TATTGAAAAA	AAAGTTGTAT	GCCATACTAT	GTGTTGGCCT
229201	CTGAGAATAT	TTCACTGAAC	ACAACCTTGC	CCTGCCCTCA	CAAAACCCAG
229251	AATTACAAAC	CTTCTAGTTC	TCTGTAAAGC	TTTTCTTGGG	TTGCCAACTG
229301	ATTAGACCAT	GTCCAAATTAA	GGCAAATGCC	CAGCTGTAAC	CAGTAAAGCT
229351	GGTTCTATAC	CTCACTTCCA	TTTTCTATCG	ATAAATGCTG	CTTGCCCTGCA
229401	GAATAGAGTT	CTCCAAACCT	CTTGTGGTTT	TGAGGGCTGT	CCAATTCATA
229451	AATCATTCTT	TGCTTAAATA	AACAGTTAAA	TTTGTCTCCA	AAGGCTGGGA
229501	AGGAGAGAA	AGAGAGAAAT	AAGAAGAGAT	TGGTCAATGA	GTATAAAGTT
229551	AAAATTAGAT	AGGAGGAGTA	AATTTCCGTA	TTCTATTGCA	CAGTTGGGTG
229601	ACCGTGGTTA	GCAATATCAT	ATTGTACATT	TCAAAATGGC	TAGAAAGAGAA
229651	GATTTTGGAT	GTTCTTACCA	CGATGAAATG	ATGAATGTAT	AAGGTGATGG
229701	ATATGCTAAA	TACACTGATT	TGATTTTTAT	ACAATGTATA	CATTATCTA
229751	AACACCACAT	TGTATCCCAT	AATTACATAC	AATAATTATG	TGTCAATGAA
229801	AACAAAATTT	AAAACAATTTT	TAAGAGATTT	AAGAAATTTA	TTTGTCTCAA
229851	GTTAATCTTT	TAACCTTAAG	TTCTAAAAAC	TTACTCTAAC	ATAGGTTCTT
229901	TACAAAAGAT	ATGCACCAAT	ATAGTGATTT	CAAACTGGT	TTTAAGGTTA

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229951 ATGCAGAAAT ATTTTTTATG TATTTGTTTC TTATCCTGAC CTACCATAAA
230001 AGCTCAATGC CTATATTGGT CCTCTATGGA TGCATAACAA ATTACTCAAA
230051 AACATATGGG CTGAAAACAA TGATAATCAT TTATTACCTC TCATAGTTGC
230101 TTAGAGTCAT GAATTTAGGA GGGCGTAACT GGATGGTTCT GGCTCAGGGT
230151 CTCTCATGAG TTTGCAGTTA GCTATCACCC AGGGCCACAG TCATCTGAAG
230201 GCTTCACTGG GGCTGGAGAT TGCATTTCCC AGATGACTCA CACAGCTGGC
230251 CTCAGATCCC TTCCAAATTG GCCTTTCCAC AGAGAATCTT GAGTGTCTCT
230301 AAGGATAATA ATGTTAGATA CTGGGCACAG TTTTTAGACT GACCAATATT
230351 GCTGCCTTGG GAACCTGGAT GTGGCTGATG TTCCTACCGC AAACCTGCCT
230401 GGATGGACTT CATGTGGTCT CTGCTTCTTC TCATTATCAA TTTTTTTTTA
230451 AGACAGGGTC TCACTCTATT GCCTGTGCTG GAGTACAGTG GCACAATCAT
230501 GGCTCACTGC AGCCTTGACC TCCTGGGCTC AGGGTAATCC TCCCGCTTCA
230551 GCCTCTCATG CAGCAGGGAC TACAGGCATG TGCCACTATG CCTGGCTAAT
230601 TTTTTTTTTT TTTTGTATTT TTTGTAGAGA TGGGGTTTTG CCATGTTGCT
230651 CAGGCTGGTC TTGAACCCCT GGGCTCAAGT GGTTCACCTG ACTCAGCCTC
230701 CCAAAGTGCT GGGATTACAG ATGTGAACTA CCATGTCCAG CCAAATTCAT
230751 TTTACTGGCA GAGGCTGGTC ATATTTCTAC ACCCTAATTA CATGGGAGAC
230801 TGGTAAGTTA GTCTTCGGCA TTCATGGCTT TAATGGGAGC CAGGCTCTGT
230851 CTCACAAAGT AAAAGATTCC CCTTACAAGG GAAATGAGAA TGTAAGGCCA
230901 AAAATAACAA ATATTTACTA TATTAATGAG CTCCACTGTT GTAAGGATAG
230951 AATTTTAGGA ATAAGTAGAG ATGTGAAAGG AGAGATGGCC CTTGCGGTGT
231001 CTTGTGGAAA CATCTCCTCT TTTGGCTTTC ATAGAAGCTA AGGAGTACAT
231051 GATACCAGGT AATCATTTT CAATTTATCT TCTGTTCTGC TGACGATAGT
231101 GAGAGCTACA TGCTTCCCCC GCAATTGTCA GGATTCACAT TCTAATGAAA
231151 AGTGAGAACG CATCCTGGTG GTAATGTAAG CTAAGTACAAC CACTATGGAA
231201 AACAGTATGG AGATTCCTTA AAGAACTAAA TGTAGAACTA CCATTCAATC
231251 CAGCAATCTC ACTACTGGGT ATCTACCCAA AGGAAAAGAA GTCATTATAT
231301 GAAAAAAGAT ACTTACACAT GCATGTTTAT AGCAGCGATT GCAAAAAATAT
231351 GGAACCAGCA TAAATGTTCA TCAACCAATG AGTAAAGAAA ATGTGGTATA
231401 TATATATATA CACCATGGAA CACTACTCAT CCATAAAAA GAACAAATA
231451 ATGGCATGCA CAGCAACCTG GATAGAGTTA GAGGGGCCAT TATTCTAAGT
231501 GAAGTAACTC AGGAATGGAA AACCAAACAT CATATGTTCT CACTTATAAG
231551 TGGGAGCTAA GCTGTGGGGA CACAAAGGCA GAATGATATA ATGGACTCTG
231601 GGGACTCAGG GGGGAGGGTG GGAGGGGGTG AGGAATAAAA GACTACACAT
231651 GGGGCACAGT ACACACTGCT CTAGTGATGG GTGCACCCAA ATCTCAGAAA
231701 CCATCACTAA AGAAGTTATC CATATAGCCA AAAACCACCT GTTCCCCAAA
231751 AACTATTGAA ATAAAATAAA ACAAAAATTT TAAAAACTTA AAAAAAGAGA
231801 AGGAAGTACT GCTGATACAC TTTCTTAAG TATTTGAATC AGTCTTGAAG
231851 CCAGATCAAC CTCCTATTAC AGAAAAGCAG GTTTTGTTTT TAAAGCTAAA
231901 TTTCTTCATG TTGGCAGATA AGAATAATTA AACTCCCCAA ACATTGGCTA
231951 GTGTCTCCAC AGGGAAGCA CAAATGAAAA AGTTAGGGTC TGGCTTCCAC
232001 AAATCTCATC TTAGCCTGTA TCCACATTTA ATTACTGAAT GTCAATCCAA
232051 AAAACAGACA CTTCTCTCTT TCCTTTTACT GGTAGCTACT GTTCTTAGAG
232101 GTTTTCTCTG GTGTATTCAA AAGGAAACAA GAATTTCCAA ACTCCTTAAC
232151 TCTTGTGTGT TTTAATCATC TATAAAATTC AGGTGAATAT TTGCAGTGTG
232201 AAATAACCAT AATAAAAATA TTTTATTTTC TATCTTCTGG TATTTATCAT
232251 ATTTCTTATA AGTAGCAAGT TTGCTTTTCC CAAGTTGATC CACTTTTCC
232301 CAACTATTTA ATTTTGGTGT AGGCAGTGGA GTCCTATTGA TACACTGAGA
232351 AGCTGCTCCA TGCAAAGCAT TGTGGTGGAC ATCATGGGGA GGTAGTGTAA
232401 ATTTGCCTTG GGTCTTTTGT AGCAATAATG CACCTTTATA TATAAGTTTA
232451 ATATACATTT AAGCTTFACT AGAGCCATAG AAGATAGGAT TCTTTTTTTT
232501 GTGTCAATGA GGCAACTGAG TCACAGATTT TTACCTTTCC AAACATCACA
232551 GAATCAAGAT TCAAACCCAA GTCCTCTAAG CCAGCTCACA TACTTGTCTC
232601 AATATGCCCC AGCTCCCTTC CTAAGGAAA GCATTTGAGG TTGTTCTCTC
232651 CTAGACCATC TTCTTCTTTT TCCTCTGTG CTTTCTACT CCAGCATCCT
232701 AATGTGGTTT GCATTGACA CCGCTGATGC CACAGGGTTG ACAACAACCT
232751 CTTTGGCAGT GGCTTCTGCC CTGTACCAAT AAAATCAATT CTCTGAAAGA
232801 GCTGGGGATG GACAAGAAGT GGTAGGAATG GTCATGTCAT TATTTCTAAT
232851 ACTGCTCTTA TCAAATACCC AACTTATTAA AGGAACCAAG ACAATAATCT
232901 CCATGCCCTC AACCTTATCC ACTTCAACCT TTAGGCTGGG TTTTCTAGGA
232951 AGCCGTCTCT GACAGAGTTG AGTAGGCAGG ACTTTTATGC ATGAGTGCCC
233001 TTGGGATTGA CCCTGTGGAC AGAAGGAGAA GGATGCAGGA TGAGGCAGAG
233051 GGAGAAGTTG AGCAGTGATG AAGGCCTGAC AAGCCTTAGC CAAACCTCA

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233101 GAGAGCTCCA GTCCCATGGG TGTTGCCAGC AAAGGCCATA ATGGTTAGGT
233151 TCTCTACCTC TACCATGATC AGTCATTAAA GGTGCTACT TGGAGGGGCA
233201 TGATTTGGGG GAAGGCAGCT TTCTGAGGCT GAAGAATTTT CTGAAGGGGC
233251 CACAGCTGGA GGCTGTCTAC TCCCAACAGC TGGGGTAGCA AGTTCTTCCT
233301 TCAAGGAGGA TCTGCATAGT GCATCTCCAT TTCTGGGGTG TTGAGGTGTT
233351 GAGGTGAGGC AGTACAGAGA CTACCCTGTT TTGCAGATTC TTCGACAGTT
233401 TTGTTGCCAT TCTGATGTCC ACTATTGTCA CAGGAGAAGC TCAAGGAAAA
233451 ATCTTCACCA AGTTTGTGTC AGCTAAGCCT CTCAGCAGAG TAGAGCAGCT
233501 TTCACAGTGC CCTGCTGATT CACAGCCCCT CATAATAAGT CATGGGGCTG
233551 TCATCTGGAG AGGTGGAGAA ATGAGATGGA AGACATAATG ATCACCCCAA
233601 ATTTCAACCT TTTAGAGGGG AAGTTCTGTC TGATGATCTT ATTTTTTTTT
233651 AATTATCACA TGAAACTCGT TATTTGGTTG TGGCACTTCT ATGGGATGTT
233701 AGAGCACTCA TTTGGGAGTC AGGAAACCAC AGTTCTAGTC TGGGCTCTGC
233751 CCCTTTCTAT GACCTTGTGC AAGTCATAAA ACCTCTCTTG GCCTGAGTCT
233801 TCACACCTGT AAGATGAAGA AATTTGACTT GAGGTGTTCT AGGGTCACAT
233851 CCAGCTCAGA ATCATGATGA ATCTCTATCA TTTAGGCCAG AGGTCAGCAA
233901 ACTATGGCCT GCATTCCAAA TCTGTCTCAC TGCCTGTTTT TGTAATAAAA
233951 ATGTTACTGG AACACAGCCA TGCTCATTCA TTTACCTATT GCCTATAGCT
234001 ATTTTCATGC TACTGAAGCA GACTTGAGTT GCAACAGAAA TTCTATGGTC
234051 TATAAAGTCT AGAATATTTA CTACCCGCCC CTTTACAGAT AAAGGTTTGC
234101 TGACCTTGAT CTAGGCAAAT CTTCTGTCAAT GTCGCATTCC AAGGAGTAGG
234151 AGGAGAAATA TGAGCCATGA GGATATACTT TTGCAATAAT TTGGCAAAGA
234201 TGGTGATCAG TCAAGTAACT GCTATTTCCCT AAGTATTCCT TAGGAAATTC
234251 AGAGCAAGAC GAGGGTTAAA GATTAGGTAA GAAGCATTCT AAATGTACAG
234301 TGCACCAAGG GCAGTGTCTG TGAGGATTCC TGAGTAAGCA ATGTCTCAGG
234351 TGCTTAAGTG AGATCTTGTT TGCCAAAATA TCCACCTCTG TGGTCCCTGC
234401 ATCAGCTCTT TATTACCCAC ATGGCAGGGT GTTTAGCAGG GAGGGCAAAC
234451 ACAGCTTTTT CTTTTATGAT CAAGGTCATT TGTCCAGCAA CTGAAATGGG
234501 TAAAGGGAAA TTTTAGAAGA AATTTTTCAA AGAAATGAGA GAAGAACTC
234551 TCTGCTGGT AAATGTCAGA ATTATCAAGC TGTCACTCCT TCAGGGAAAA
234601 TAACTTTGCT GGTGAGAGAC CATAGAAGTA GGAGGAATCC TGACAATATT
234651 ACTATTATGA GCTGTGCTTT GCACTTTTAG GAAACACAGC ATCCAATGTC
234701 CAAATGTGTC TTCGTATCAT TTTGTTTTCA TCTCATTGTC AAAACATCCC
234751 CATGGGATAT TGTCAGGTGT CATAATCCTC ATCATTCTAT ATTTTCAGAG
234801 TGAGAAGAGA GACTTCAGGA TGATTTTGCC TGACATAATG CTCATAACAT
234851 TTA CTGTTG TCCAGCCAT TTGCTTCTTA GCATTTGTTT CCTTTGATTG
234901 CTCTTTATCT TTGTTAGCAT AGGCATTGTC TTCCCAAGTA AATGCTATGC
234951 CTGACCTATG TCTTAGATCA CAGAATGTTA GAATTGAGGG AAGGCCTTCA
235001 GTCTAATGAA ACTACTGAAA TATAAAATGA GGAAGTGAG ACCCAGGGAG
235051 GTGGCCTGAG CTGGTGAGAG AACTAAAAGA ATAAGTGTG TCCCCTAACT
235101 TGAAGGTAT TGCTTTTCC ACGGACCTCA TTATACCTCT TTGCATGCCC
235151 CATACATAGT ATAGTGCTT ATGTATATGT ACTCCATAGT ACTACTAGGG
235201 ATCATCTGTA TAGATAGCCT ATCTTCTTAA TTGACTGCAA GATTTTTATA
235251 GGTTAAGAA CACAGCTACT ATTTATATTG CTTTGTATT AACTCCACC
235301 TATTGAGCAT ATAAAATATA TGGCTTAAAA AACTGGAAAA AGATGAGCAA
235351 ATTAAGCCA AAGCAAATG AAGGGAGAAA ATTACAAAAA TCAGAGTGGA
235401 AATAAGCAA ATAAAGAATG GAAAAACAAT AAAGGATGTC AGTGAAACAA
235451 AAAAAAATAG GTTCTTTGTA AAGATCAACA AATATTGACC AACAAAAATA
235501 AAGAGAAGAT TCAAATTAAT ACATCAGAAA TGAAAGAGGG GACATTACTA
235551 CTAACCTTAA AGAAATAAAA AGGATTGTAA AGGTATACTA CGAACAACAG
235601 TATACCAACA AATCAGATAA ATTAGATGAA ATGGACAAAT TTCTAGAAAG
235651 ACAAAAATCA CTGAACTGA CTCAGAAGCA ATAGAAAGCT GAATACAGGG
235701 ATGTGCACCT GTAGTCCAG CTATTGGGAG GCTGAGGTGG GAGAATCACT
235751 TGAGCCTAGG AGTTCAAAGT CAGCCTGGGC AACATAGCAA GAGTCTGTCT
235801 CTAAACATAA ATACACAAAT AATTTTTTTA AAAAAAGAA ATAGAAAACC
235851 TGAATATGCC TATCATATTC TATAGGACAT AGATTTTCTA TATACAAAT
235901 CATGTTATCC GCAAATGAG ATAATTTTAC TTTTTCCTTT CCAATTTGGA
235951 TTCCTTTGAC TTCTTTTCT TGCCCAATTT CCCTGGCTAT AACCTGTAGT
236001 ACAATGTTAT ATAAAAATGG CAAGAGAAGA CATCTTGTC AGGAGGAAAG
236051 ATATACTATC CTTTCTTCAT GTTACTGGAT TTGACTTACT AGTATTTTAA
236101 TAAAGGCAAA ATTAGGGTTT TGTATTATAC TTTAAGATCT GGGATACATG
236151 TGCAGGAGGT GCAAGTTTGT TACATAGGTA TACACATGCC ATGGTGGTTT
236201 GCTGCACCCA TCAGCCCGTC ATCTACATTA GGTATTTCTC CTAATGCTAT

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236251 CCCTCTACTT GTCCCCAAC CCCCACAGG CCCTGGTGTG TGATGTCCCC
236301 CTCCTAAGT CCATGTGTTT TCATTGTTCA ACTCTCACTT ATGAGTGAGA
236351 ACATGCAATG TTTGGTTTTT TGTTCTTGTG TTAGTTTGCT GAGAATGATG
236401 GTTTCTAGTT TCATCCGTCT CCCTGCAGAG GAAATGAACT CATCCGTTTT
236451 TATGGCTCCA TAGTATTCCA TGGCATATAT GTGCCACATT TTTTAAATT
236501 ATACTTTAAG TTCTAGGGTA TATGTACACA ATGTGCAGGT TTGTTACGTA
236551 TGATACATG TGCCATGTTG GTGTGTGCAC CCATTAACTC GTCATTTACA
236601 TTAGGTGTAT CTCCTAATGC TATCCCTCCC TCCTCCACCC ACCCCACGAC
236651 AGGCCCTGGT GTGTGATGTT CTCCACCCTG TGTCCAAGTG TTCTCATTGT
236701 TCAATTTCTTA CCAATGAGTG AGAACATGCA GTTCTCACTG GTTTCCAG
236751 CACCATTTAT TAAATAGGAA ATCCTTTCCC CATTTCTTGT TTTTGTGAGG
236801 TTTGTCAAAG ATCAGATGGT TGATAGATGT TGGTATTATT TCTGAGGGCT
236851 CTGTTCTGTT CCATTGGTCT ATATATCTGT TTTGGTACAA GTACCATGCT
236901 GTTTTGGTTA CCGTAGCCTT GTAGTATAGT TTGAAGTCAG GTAGTGTGAT
236951 GCCTCCAGCT TTGTTCTTTT GGCTTAGGAT TGTCTTGGCA ATGTGGGCTC
237001 TTTTGTGTTG ATTTTCTGTC CTTGCAATAG TTGGCCACAT TTTCTTAATC
237051 CAGCCTAACA TTGATGGACA TTTGGGTTGG TTCCAAGTCT TTGTTATTGT
237101 GAATAGTGCC ACAATAAACA TACATGTGCA TGTGTCTTTA TAACAGCATG
237151 ATTTATAATC CTTTGGGTGT ATACCTAGTA ATGGGGTCAC TGGGTCAAAT
237201 GGTATTTCTA GTTCTAGATC CTTGAGGAAT CACCACACTG TCATCCACAA
237251 TGGTGAAGT AGTTTACAGT CCCACCAACA GTGTAAAGT CCCTATTTCT
237301 CCACATCCTC TCCAGCACCT GTTGTTTACC TGACTTTTTA ATGATCGCCA
237351 TTCTAACTGC TGTGAGATGG TATCTCATTG TGGTTTTGAT TTGCATTTCT
237401 CTGATGGCCA GTGTTGATGA GCATTTTTTC ATGTGTCTGT TGGCTGCATA
237451 AATGTCTTCT TTTGAGAAGT GTCTGTTTCA TACTTTTGCC CACTTTTGA
237501 TGGGGTTGTT TGATTTTTTC TTGTAAATTT GTTTAAGTTC TTTGTAGATT
237551 CTAGATATTA GCCCTTTGTC AGATGAGTAG ATTGTAAAAA TTTTCTCCCA
237601 TTCTGTAGGT TGCTGTTTCA CTCTGATGGT AGTTTCTTTT GCTGTGCAGA
237651 AGCTCTTTAG TTTAATTAGA TCCCATTGT CAATTTTGGC TTTGTTGCCA
237701 TTGCTTTTGG TGTTTTAGTC ATGAAGTCCT TGCCCATGCC CATGCTCTGA
237751 ATGGTATTGC CTAGGTTTTT TTCTAGGATT TTTATGGTTT TAGGTCTAAC
237801 ATTTAAGTCT TTAACCCATC TTGAATTAAT TTTTGTATAA GGTGTAAGGA
237851 AGGGATCCAG TTTTATCTTT CTGCATATGG CTAGCCAGTT TTCCCAGCAC
237901 CATTTATATA ATAGGGAATC CTTTCCCCAT TTCTTGTTTT TGTGAGTTT
237951 GTCAAAGATC AGATGGTGTG AGATGTGTGG TATTATTTCT GAGGGCTCTG
238001 TTCTGTTCGA TTGATCTATA CCTCTGTTTT GGGACCAGTA CCATGCTGTT
238051 TTGGTTACTG TAGCCTTGTA GTATAGTTTG AAGTCAGGTA GCGTGATACC
238101 TCCAGCTTTG TTCTTTTGGC TTAGGATTGT CTTGGCAATG TGGGCTCTTT
238151 TTTGGTTCCA TATGAACCTT AAAGTAGTTT TTTTCCAATT CTGTGAAGAA
238201 AGTCATTGGT AGCTTGATGG GGATGGCATT GAATCTATAA ATTACCTTGG
238251 GCAGTATGGC CATTTTCACA ATATTGATTC TTCCTATCCA TGAGCATGGA
238301 ATGATTTTCC ATTTGTTTGT GTCTCTTTT ATTTCAATTG ACAGTGGTTT
238351 GTAGTTCTCC TTGAAGAGGT CCTCACATC CCTGAAAGT TGGATTCTTA
238401 GGTATTTTAT TCTCTTTGAA GCCATTGTGA ATGGGAGTTC ACTCATGATT
238451 TGGTCTCTG TTTGTCTGTT ATTGGTATAT AGGAATGCTT GTGATTTTGT
238501 CACATTGATT TTGTATCTG AGACTTTGCT GAAGTTGCTT ATCAGCTGAA
238551 GTAGTTTTTG GGCTGAGACG AGGGGGTTTT CTAAATATAG ACTCATGTGA
238601 TCTGCAAACA GAGACAATTT GACTTCCTCT TTTCTATTT GAATACCTG
238651 TATTTCTTTC TCTTGCTTGA TTGCCCTGGC CAGTACTTCC AATACTATGT
238701 TGAATAGGAG TGATGAGAGA GGTCAATCTT GTCTGTGCC AGTTTTCAA
238751 GGGAATGCTT CCAGCTTTTG CCCATTGAGT ATGATACTGG CTGTGGGTTT
238801 GTCATAAATA GCTTTTATTA TTTTGAGATA TGTTCATCA AAACCTAGTT
238851 TATCGAGAGT TTTTAGCATG AAGGGGTGTT GAATTTTGTG GAAGGCTTTT
238901 TCTGTGTCTA TTGAGATAAT CATGTGGTTT TTGTCATTTG TTCTGTTTAA
238951 GTAATGGATT ACTTTTATTG ATTTGCCTAA GTTTAACCAG CCTTGCATCA
239001 CAGGAATGAA GCTGACTTGA TTGTAGTGGA TAAGCTTTTT GATGTGCTGC
239051 TGGATTGAGT TTGCCAGTAT TTTATTGAGG ATTTTCGCAT CGATGTTTAT
239101 CAGGGATATT GGCCTGAAAT TTTCTTTTTT TTGTGTGTC TCTACCAGGT
239151 TTTGGTATCA GGATGATGCT GGCCTCATAA AAAGTCAGGG AGGAATCCCT
239201 CTTTTCTAT CGTTTGGAACT ACTTTCAGAA GGAATGGTAC CAGCTCTTCT
239251 TTGTACCTCT GGTAGAATTC GGCTGTGAAT CCATCTGGTC CTGGACTTTT
239301 TTTGGTTGGT AGGCTGTTAA TTAGTGCCCC AATTTCAGAA TGTGTTCTTG
239351 GTCTATTGAG GGATTTAACT TCTTCTGAT TTAGACTTGG GAGGGTGTAT

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239401 GTGTCCAGGA ATTTATCCAT TTCTTCTAGA TTTTCTAGTT TATTTGCATA
239451 GAGGTGTTTA TAATATTCTC TGATGGTAGT TTGTATTTCT GTGGAATCAG
239501 TGGTGATATC CCCTTTATCA TTTTTTATTG TGTCTATTTG ATCTTCTCT
239551 CTTTTCTTCT TTATTAGTCT GGCTAGCGGT ATATCTATTT TGTGTCTAGT
239601 AAACCAACTC CTGGATTTCAT TGATTTTTTG AAGGGTTTTT CCTGTCTCTA
239651 ACTCCTTCAG TTTTGCTCTG ATCTTAGTTA TTTCTTGCTT TCTGCTAGCT
239701 TTTGAATTTG TTTGCTCTTT CTTCTCTAGT TCTTTAATTG TGATGTTAGG
239751 GTGTCAATTT GAGATTTTTTC CTGCTTTTGC TTGTGGGCAT TTCATGCTAT
239801 AAATTTCCCT CTAAACACTG CTTTAGCTGT GTCCCAGGGA TTCTGGTACG
239851 TTGTGCTTTT GTTCTCATCA GTTTCAAAGA ACTTATTTAT TTCCGCCTAT
239901 TTCGTTATTT ACCCAGTAGT CATTCAGGAG CAGCTTGTTT AGTTTCCATG
239951 TAGTTGTGTG GTTTGAGTGA GTTTCFTAAT CCTCAGTTCT AATTGATTGC
240001 ACTGTGGTCT GAGAACTGT TTGTTATGAT TTCCATTCTT TTGCATTGTC
240051 TAAAGGAGTG TTTTACTTTC CAATTATGTG GTCAATTTTA GAATAAGTGC
240101 GATGTGGTGC TGAGAAGAAT GTATATTCTG TTGATTTCCG GTGGAGAGTT
240151 CTGTAGATGT CTATTAGGTC TGCCTGGTCC AGATCTGAGT TCAAGTCTCTG
240201 AATATCCTTG TTAATTTTCT GTCTCATTGA TCTGTCTAAT AAAGTCTCTC
240251 ACTATTATTG TGTGTGAGTC TAAGTCTCTT TGTAGGTCTC TGAGGGCTTG
240301 CTTTATGAAT CTAGGTGCTC CTGTATTGGG TGCTTATACA TTTAGGATAG
240351 TTAGCTGTTT TTGTTGCATT GATCCCTTTA CCATTATGCC ATGTCCTTCT
240401 TTGTCTCTTT TAATCTTTGT TGGTTTAAAG TCTGTTTAT CAGAGACTAA
240451 ATTGCAACAC CTGCTTTTTT TTGCTTTCCA TTTGCTTGGT AAATATTATT
240501 CCATCCCTTT ATTTTGAGCC TATGTGTGTC TCTGCATGTG AGATGGGTCT
240551 CCGTAATACA GCATACTGAT GAGTCTTGAC TCTCTATCCA ATTTGCTAGT
240601 CCATGTCTTT TAATTGGGGC ATTTAGCCCA TTGACATTTA AGATTAATAT
240651 TGTATGTGT GAATTTGATC CTGTCAATTAT GATGCTAGCT CTTTATTTTG
240701 CTCATTAGTT GATGCAGTTT CTTCATAGTT TAAATGGTCT TTACAATTTA
240751 GCATGTTTTT GCAGTGGCTG GACTGGTCTG TTCCTTTCCA TGTTTAGTGC
240801 TTCCTTCAGG AGCTCTTGTA AGGCAGGCCA GGTGGCGATA AAATCGCTCA
240851 ACATTTGTTT GTCTGTAAAG GATTTTATTT CTCCCTCGCT TATGAAGCTT
240901 AGTTTAGCTG GATATGACAT TCTGGGTTGA AAATCTTTT ATTTAAGAAT
240951 GTTGAATATT GGGCCCCACT CTCTCTGGC TTGTAGGGTT TCTGCTGAGA
241001 GAGCCACTGT TAGTCTGATG GGCTTCCCTT TGTGGGTAAC CTGACCTTTC
241051 TCTCTCTTCT GGCTGTAGG GTTCTGCTG AGAGATCCAC TGTTAGTCTG
241101 ATGGGCTTCC CTTTGTGGGT AACCTGACCT TTCTCTCTGG CTGCCCTTAA
241151 CCTTTTTTCC TTCATTTCAA CCTTGGTGAA TCTGACGATT GCGTGTCTCG
241201 GGGTTGCTCT TCTCGAGGAG TATCTTTGTG GTGTTCTCTG TATTTCTCGA
241251 ATTTGAAAGT TGGCCTCTCT TGCTAGGTTG GGAAGTTCT CCTGGATAAT
241301 ATCCTGAAAT GTGTTTCCA ACTTGGTTCC ATACTCCTCA TCACTTTCAG
241351 GTACACCAAT CAAACATAGG TTTGGTTTCT TCACATAGTC CCATATTCTT
241401 TGGAGGCTTT ATTCATTCTT TTTCATTCTT TTTTCTCTAA TCTTGTCTTC
241451 ATGCTTTATT TCATTAAGTT CATAGTCTCT GATATCCTTT CTTCCACTTG
241501 ATCAGTTTCA CTATTGATC TTGTGTATGT TTCACAAAGT TCTCGTGCTG
241551 TGTTTTTCAA CTCCATCAGG TCATTTATGT TCTTCTCTAA ACTGGTTATT
241601 CTAGTTAGCA ATTCGTCTAA CCTTTTATCA ACATTCTTAG CTTCTTGCAT
241651 TTGGGTTAGA ACATGCTTTT TTAGCTCAGA GGAGTTTGT ATTACCCACC
241701 TTCTGAAGCC TACTTCTGTC AATTGTCAA GCTCATTCTC CCTCCAATTT
241751 TGTTCCCTTG CTGGTGAGGA GTTGTGATCC TTTGGAGGGG AAGAGGCATT
241801 CTGATTTTTG AAATTTTCAG TCTTTTGTG CTGGTTTTTC CTCATCTTCA
241851 TGGATTTATC TACCTTTGGT CTTGATGGT GACCTTCAGA TGGGGTTTCT
241901 GAGTGGATGT CTTTTTGTG GATGTTGATG CTATTCCTTT CTGTTTGTTA
241951 GTTTTCTTTC TAACAGCCAG ACCCTCTGCT TGCAGGCTG CTGGAGTTTG
242001 CTGGAGGTCC ACTCCAGACC CTGTTTGCTT GAGTACCACC AGTGGAGGCT
242051 GCAGAACAGC AGCAATTGCT GCCTGTTTCT TCCTCTGGAA GCTTCATCCC
242101 AGAAGGGCAC CCACAGATG CCAGCCCAA CTCTCCTGTA TTTGTCTGTC
242151 AACCCTGCTT GGGAGGTGTC TCCAGTCTAG GAGGCATGGG GGTCAAGGAC
242201 CCACTTAAGG AGGCAGTCTG TCCCTTAGCA GAGCTCGAAC ACTGTGTTAG
242251 GAGATCCACT GCTCTCTTCA GAGCCAGCAG GCAGGGACGT TTAAGTCTGC
242301 TGAAGCTGTG CCACAGCCTC CCCTTCCCCC ATTGGCTCTG TCCCAGGGAG
242351 ATTGGGGTTT TATCTTTAAT CCCCTGACTG GGGCTGCTGC CTTTTTTTCG
242401 GTGATGCCCT GCCCAGAGAG GAGGAATCTA GAGAGACAGT CTGACTACAG
242451 AGGCTTTGCC AAGCTGCGGT GGGCTCTGCC CAGTTCAAAC TTCCCAGCAG
242501 CTTTGTTTAC ACTATGAGGG GAAAACCACC TACTCAAGCC TCAGTAATGG

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242551 CAGATGCCCC TCCCCCACC AAGCTTGAGC ATCCCAGGTT GACTTCAGAC
 242601 TGCTGTGCTG GCAGTGCAAA TTTCAAGCTG GTGGATCTTA GCTTTCTGGG
 242651 CTCTGTGGGG GTGGGATCCG CTGAGCTAGA CCACTTGGCT CCCTGGCTTC
 242701 AGCCCCCTTT CCAGGGAAGT GAACGATTTT GTCTCGCTGG CATTCCAGGT
 242751 GCCACTGGAG TATGAAAAAC AACTCCTGCA GCTAGCTCAG TGTCTGCTCA
 242801 AATGGCCACC CAGTTTTGTG CTTGAAACCC AGGGCCCTGG TGGCATAGGC
 242851 ACCCGAGGGA ATCTCCTGGT CTGTGGGTTG CAAAGACCAT GGGAAAAGCA
 242901 TAGTATCTGG GCCAGAGTGC ACCATTCCCTC ATGGCACAGT CCCTCATGGC
 242951 TTCCCTTGGC TAGGCGACGC CCCACCCTGC TTCAGCTCAC CCTCTGTGGG
 243001 CTGCACCCAT TGTCTAACCA GTCCCAATGA GATGAGCTTG GTACCTCAGT
 243051 TGGAAATGGA GAAATCACCC GCCTTCTGTG TTGATCTCAC TGGCAGCTGC
 243101 TGA CTGGAGC TGTTCCTATT CGGCCATCTT GCCCATTTCCA TCCAAAAGTA
 243151 GTTTTTGAAA ATTAACATGG GGATTAAGGA TTCAGCTATT TTTGAGAAAG
 243201 CAGAGCTTTA AGAAAGCAGA GCTCTAGAAC CAGGGCTTCA TGGACGTGAG
 243251 ACCAGTGCAG TTACACAGAG CCTAGGTTTC AGGAAGGAGC CCACACATGG
 243301 GGTTCATAA AATTTTATCT TTGAATTTGT GTTTTATGAG TGAAAGCTGA
 243351 TAACACAGTG GAACACAGGC TCAAGGCTTA AAGCCTTGCT CATGTGCTGT
 243401 CTTGCCTTTA AGACATCTAC CTGGGAAGGT TCCTCTGCCA CCTAGCCCTT
 243451 AATCCCCATC CCATAACTAC TGCAATCTTC CATTCCCAAT GGGATCCTAG
 243501 GTAATAGTGA GGAAGGGTTG CCGTGAGGTA AGACTGCCAG GTCCCTATAA
 243551 GTGTCTACAC TCCCCTGCAG AGTATCTGCC CTAGTTCCTG AGGGAGAATG
 243601 ACATTAAATA CCCAACAAAA AGCACAATGA CAGGTCCACA GACAAATACA
 243651 GACCCCCCAA AAAACAGCTT TTCTCTTGTG TCTTGAACAA GGATTCTGTC
 243701 GTTGTGCTTT AGCACTGGGC CCCACAAATT ATGTAGCTGG CCTGTCTAGA
 243751 GCCTTACTAC TCAAAGTGTG GTTGACAGGAC CAGCAGCATT GGTATCACCT
 243801 GGGAACATAT GGAAACGTAG AATCCCAAGC CCTACCCAAA CCTACTAAAG
 243851 AAGAATCTGC ATTTTAACAA GATCCCTGGA TGATTTGTAT GACATTAAAG
 243901 TTTGAGAAGC AGTGGTCTAA AACACACTCT GGGATTCACT CACCTATTGG
 243951 ATGACATCTA TGTCTTGCC CCAATTATTT TTATTATGAT TGTAAATGA
 244001 ATTGTCTCTT TCTTTGACAT AAAGCAACTA CTATTCACTG TGGAAGATGG
 244051 GAGGCGAGAG GAAAGAAAGT TGGCCAATAA GAAACACTGA AAAAGGAATT
 244101 GCTCTGAGCA CCAAGCTTTG CCAACCCTGT TACTCGAAAT TATACTTGCC
 244151 CTGTTTTCTA CCCTTGGGCT TAAGGCTTAG CATCTTTCCT AGCAGACTGA
 244201 GTGCCTTATT GAGGGAAACT GTAGCCAGCT TAAAATAAAC TGCAGCTCTC
 244251 CTGGAAATTG CTTTGACCTT TATTTGCATA AGTCTTCAAA ACTTGCCAGC
 244301 TCTGGAAAAG ATGGGAAAGG AGCACCTTAT TTTTATTCTT GCGGGAAGT
 244351 ATTTTGTAGC TTGCATGTGA GTTACTTAGC ATGGTATGGT TGGTGTGTG
 244401 TTAGTAACCT TTTAGGTCTT AGGAAAGATT ATTGTAAAAA GCAACCAACA
 244451 GGAATATGAA ATAAACCCCT ATGCCTTCCT CTTGCCCCACT CCCCAGCTT
 244501 CCTGGGGAAA AGTATCTGTC CTGGCCAGAG TTAGTGGGAA GGTGGAGCT
 244551 GACAGAAAGC TGCTGTCCAG TTGCAGTGAG GGCCGAGGCA AATTTTCTCT
 244601 CCAGGTGTGG AAGGGGCAAT CTCCAGGAGT GAGAGAAATG GGAGCAATCA
 244651 GTTGCTGGTA CTTGTGTCTT TATCATGAAG GCATAACTGG TGAATGTACT
 244701 ATGAGCAACA CATTGTTAAT TTGTATTATG CCCTTTACAA GGTGTGTCCC
 244751 TGTTAATCCA GTATTTCCAT AACTAGGGAT CTAGTCCAAG GAAAGATCAG
 244801 AGACTTTGGC ACAGAATTAA GCTGGAGAAT ATTCATCTCA ATTATATCTA
 244851 TAGGAGCAAG AAGTTCAAAG TGGGATACAT GCCCCAACAG GTAGTGCAAA
 244901 AGGAGGATGT ATGTGAGACA TATTAGAATT TGCATTTAAC TTTTAAAAAT
 244951 TAAAAAATAG AGCCAGTCGG GGTGGCTCAC GCCTGTAATC CCAGCACTTT
 245001 GGCAGGCCGA GGCAGGCGGA TCACCTCAGG TCAGGAGTTC GAGACTAGCC
 245051 TGACCAACAT GGCAAAACCC TGTATCTACT AAAAAGAAAA AAATTAGCTG
 245101 GGCTTGGTGG CGGGAGCCTG TAATCCCAGC TACTTGGGAG GCTGAGGCAG
 245151 GAGAATTGCT TGAACCCAGG AGGTGGAGGA TGCAGTGAGC CGAGATCTCA
 245201 CTATTGCACT CCAGCCTGGG CAACAAGAGC AAAACTCCAT CTCAAAAAAA
 245251 TAAAAAGGTC GGGTGTGGTG GCTCACGCCT GTAATTCCAG CAGTTTGGGA
 245301 GGCCGAGGTG GCGGATCAC CTGAGCTCGG GAGTTTAAGA CCAGCCTGAC
 245351 CAACAGGAGA CCAACAGGAG ATAACCTGTC TCTACTAAAA ATACAAAATT
 245401 AGCCAGGCAT GGTGGCGCAC GCCTGTAATC CCAGCTACTC AGGAGACTGA
 245451 GGCAGAAGAA TCACTTGAAC CCGGGAGGCA GAGGTTGCGG TGAGCCGAGA
 245501 TCACGCCATT GCATTCCAGC CTGGGCAACA AGCAGCGAAA CTCCGTCTCA
 245551 AAAAAAGAA GAAGAAAAAG TTTTACTAAT ATGTAAATG GGGACTTCCA
 245601 CCTTGCTTCT TTA CTGGTGC CTAAGTCAA GCAGGCACAT GTTATATGAG
 245651 ATATGTTGAG AAAAGAATGG GAATTCATA ACATGAGTCT CTTCTCTCTG

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245701 ACATAGCAAC TACATGGATA TAATTTATAA ATGATCATTG GAGTGGACAG
245751 TTTTTTACTG ATGGGATGTG AAGCACCTTA TAAGAGATCT AAGGACGTGC
245801 ACAGGGAGTA CTCTGCTCCC AGTTCAGGG AGGAAAGAGC AGCATAGGGC
245851 CAAATTGTAA ATTCAGCTCT ATGGATTGCC CTGAGCTCTT GCTAATGGGC
245901 CAGTTTTAGC TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTGAGAACAG
245951 AAGCCTTGTT CTTTCACCCA GGCTGGGAGT GCCGTGGTGC GATCTGAGCT
246001 CATTGCAACC TCCGCTCCC AAGTTCAAGT GATTCTCCTG TCTCAGCCTC
246051 CAGAGTAGCT GGGATTACAG GCAAGTGCCA CCACACCCAG CTAATTTTTTA
246101 TATTTTTAGT AGAGACGAGG TTTCACCATG TTGGCCAGGC TGGTCCCAA
246151 CTCGTGACCT CAGGTGATCC GCCCACCTCA GCCTTCCAA ATGCCGGGAT
246201 TACAGGCATG AGCCACTGCA CCCAACCCAG TTTTAGCTTT TTAATGGAAA
246251 GTAGTGTGTG TTCAGTTGAT GGAATATTTC TTTCCCTCAG TTTCAACATG
246301 TTTTATAAGA GCCTTCAGGA TGTTTCATTA AAAACTGTAG CTCTCTCAGC
246351 AGATTTTCATT ACACCTCAAC TTTCATTACC AACTCTTACC CTCTGAACAC
246401 AACTTTGGCC TTCTGCTCCA TTCTGCTGAA GTTTAAAGCT GCAGATAGGA
246451 CCTCTGGTCA GCATTTTGCT TTCCATTGCA AAAAAAGCTA ATGCTCAGGT
246501 ATAAGATTAA GATAAAAGGA AAATAAGCT TATTAGAAAA ATTCCTAGTC
246551 ACTTAGTCAA ACATCCACAC CTGCTGAAAG AGAATGGCCA AAGGGTCCTC
246601 AGGAACACTT GCTTTTCTAT AGATACATTT CCCCCTGAGT TTTCTAGGAT
246651 AAAAAGCTCA TCTTTTAAAT AATGGTGTGTT TGTTTAAACA ATCCTTTGTG
246701 AGAGAGGCTT TCTCCTGGAA TACCTTGTGC ATATTAAAC TGTAATAAT
246751 CTTGTCATTT GGAATAAATC TTCTTAATGT GCGTGTTATA ATTGAATTCA
246801 TCTCTAATTA ATGTAGCATT ACCATGTGGC AAAGGTGGAT TAGCTTCTGT
246851 TTTCTGATTG CCTTGAACA TCGCCTTGAA GTTGCAGGAT TGCTGATGAA
246901 GTCAATAAGG GCTGTGCATT GATTTTCAGA CACAAAGACC ATCACCACCA
246951 TGGCTGAAGA CATGTCCCA GGACCACCA TTTTCAACAG TGTGATGGCC
247001 AGGACCAAGA TGAAACGCAT GAGGGAGTAA GTAGCATGTT GCCTGCCCCC
247051 TAGGAAGGTG CAGTGTTAAA GCATATTGAC CAAGTGTGTG ACCCAGTCAT
247101 GTGATACTGT CTTAGTCCAT TTGTGCTGCC GTGACAAAAT ACCTGGGACT
247151 AAGCTGTTCC AACTTAGAAA CTCTCTCTA AAATTCACTT TCTGTATTGG
247201 TGCTGTGTCG AATATTAGGG AAGTTTGGCA AGAATTATTT TTCAGTTGAT
247251 TTGCACTTAT AGTATTCTTG CAGCACAGCA CATTCTCATC CATGCTAATG
247301 TTTGAAAGCA AAGGAGAAAA AAATGCTGAA AATTATTTCC AAGCCTAAAG
247351 CTGTTACTAT GTTTATATAC TTATTGTTTT CTAGCCCTAC CTGTACCAGA
247401 GTGGTCTTTT TTTTTTATTA TTATTATACT TTAAGTTTTA GGGTACATGT
247451 GCACATTGTG CAGGTAGTT ACATATGTAT ACATGTGCCA TGCTGGTGCG
247501 CTGCACCCAC TAACTCATCG TCTAGCATTG GGTATATCTC CCAATGCTAT
247551 CCCTCCCCC TCCCCCACC CCACAACAGT CCCCAGAGTG TGATATTCCC
247601 CTTCTGTGT CCATGTGATC TCATTGTTCA ATTCCCACCT ATGAGTGAGA
247651 ATATGCGGTG TTTGGTTTTT TGTTCTTGCG ATAGTTTACT GAGAATGATG
247701 ATTTCCAGTT TCATCCATGT CCTACAAAG GACATGAAC CATCATTTTT
247751 TATGGCTGCA TAGTATTCCA TGGTGTATAT GTGCCACATT TTCTTAATCC
247801 AGTCTATCAT TGTGGACAT TTGGGTTGGT TCCAAGTCTT TGCTATTGTG
247851 AGTAGTGCCA CAATAAACAT ACGTGTGCAT GTGTCTTTAT AGCAGCATGA
247901 TTTATAGTCC TTTGGGTATA TACCCAGTAG TGGGATGGCT GGGTCAAATG
247951 GTATTCTTAG TTCTAGATCC CTGAGGAATC GCTACACTGA CTTCCACAAT
248001 GGTTGAACTA GTTTACAGTC CCACCAACAG TGTAAAAGTG TTCCTATTTT
248051 TCCACATCCT CTCCAGCACC TGTGTTTTCC TGACTTTTTT TTTTTTTTTT
248101 TTTTTTTTTT TTTTTTGAGA CGGAGTCTTG CTCTGTCGCC CAGGCCGGAC
248151 TGCGGACTGC AGTGGCGCAA TCTCGGCTCA CTGCAAGCTC TGCTTCCCGG
248201 GTTCACGCCA TTCTCTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
248251 GCCTGCCACC GCGCCTGGCT AATTTTTTGT ATTTTATAGTA GAGACGGGGT
248301 TTCACCTTGT TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCACC
248351 CGCCTCGGCC TCCCAAAGTG CTGGGATTAC AGGCGTGAGC CACCGCGCCC
248401 GGCCGTTTCC TGACTTTTTA ATGATTGCCA TTCTAACTGG TGTGAGATGG
248451 TATCTCATTG TGTTTTGAT TTGCATTTCT CTGATGGCCA GTGATGATGA
248501 GCATTTTTTC ATGTGTTTTT TTGGCTGCAT AAATGTCTTC TTTTGAGAGT
248551 GGTCTTATAA TAACATAAAT ACCATGGCAA GAACTGATTC CCAGAAATTG
248601 AAAGTGAGGG AGTATGGATT AATTTTCCC TCTGTAGAGG GAAACTACCT
248651 CCACCTCTCC TTGCTTGAG GAGATAATAT AGAAGGTGTT GCTAATTTCC
248701 CAGTTGATAG TCTTTAAAGA GAAGAAAAGT GGTTTGCTTA TTTTACCCGT
248751 AAAAGTTAAC AATGTGGTGT CAGATTTTTG ATCTAAGACT TCATTACTTT
248801 TGCAAAGTAC ACAATACCCC ATTTCTAGC ATATTATGAA ATGTTTTTAA

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248851 TAATTAATAAT GAAAATATTT TGCTAAATTA ATTGGCCAAG ATGCATTCTA
248901 ATGATTTTAT TCCTAGTGTG TTGTTTTTTT TCTCCTTATT GCTTGGCTGT
248951 AATTGACCAA GTACTTTCTG GCTCACCTTT TTCATGTGGG CTACTGCAGT
249001 TTGGGTTACT CCCCATGGA TGGTATTGCT CCTCTAGTGG AATAACCTGC
249051 CATCCTTTTA TATTTTATAT TGTGAATCCT TATGCCATTC CAGAAAAGGC
249101 AAAAGGAAAT CAAGGCTGCA AATCTGCATG TCTTTTGAGC ATGTTGTGTT
249151 TTCTCAGTTT CAAAGACTTA GAAGCCAGCC AGAGAGAGGA AATCTTGCTG
249201 TTCTTTCTCT GCACTGTGAT ATACTGCATG CTCAGCATAT GGATGGCAAC
249251 TATTGGGATG CCAAGAAGAA TAGTTAATGA CATTTGTCTC CATAGAGATT
249301 ATAATGTAGA GAAAACACAA AACTTCAAAT GCAAAACGTT AAATGACAAC
249351 ATAGTGGTTA TGTAAATATGA GGTGATAATT AAGAAAAGTC CCCAAATAGG
249401 AGCATGGCCA TGAGCCAAAT AGATGATGAG AGCTCTAAGA TCAGAAAGGG
249451 GAAGTTGGGA GACCTCTGGG AGAAGCAGGG ACTTAGCCTT CACCTTGGCC
249501 TTCACAGAGG GATGTAATTT GGAGAGGTAA AGAAAAGGA GGAGAAGCTG
249551 GAGGTCAGCA GATTTGGTGT CTGAGTCTTG GCTTCACTAA TAAATGGCTG
249601 TCTAACCTTT GACAAGTGAT TTTCTAAGAT TCAGTTTCTT TATCTATAAA
249651 ATGGTCATAT TAATTGCCAC AGCTGGATTC CCAGGAAGCA TACTCAGAGA
249701 TGGAGATTAA TGTGTAGGAG GAGGTTTGTG AGGGAATCTT CTGGAGACCA
249751 ACACCTGTAG AAAGGAGGAG GAAGGAAGCA GACTGGTCAG GGAGAAGTCA
249801 AGCTGTGACA TGGGTCATTA GAGGCCTCTG CCAACCCCAT TGGGAGTTCT
249851 GGGGCTAGAT GGCCCTGCAG AACTGTGCTG AGTTGGGACA AGAGGGCCTT
249901 TGTAACCCCA AGTCAATCAG ACATTGCATG TGGGCCACTC TGGGAAGGGG
249951 CCGTGACTGA ACAAGATGTT CACTTCTGTA TTTACCAGTA TAGACTTCAT
250001 CTGGATTGTC CAGTTGTTAA CACTTTGTCA CATTTTGTGA ATTTTCTTTT
250051 ATATCTATCT ATATAATATA TATACATATA CACTTATAAA TTATTATTAT
250101 TACTGATCCG TTTGAGAATA GATTCCATGC TTCATGATTC TTCAACCCTA
250151 AATATTTAAA TGAGTAGCTT CTAAAAACAA GAACATTCTC TTAATATAAC
250201 CATAGTATGA TGATTGAATT CAGGAAATTT CACATCAGTA CATACTATTA
250251 TTTAACATAC AAATCCATAT TCAGATTICA TTGATTATCC CAATAATACC
250301 CATTATAGCA ATTGTTTTTC TGATTAGGA TACAAGCCAG GATCACACAT
250351 TACTACTCAGT TGTATGTCT CTTTGGTGTA TTTACTCTAG AATGGTTCCT
250401 TAGTCATTCT TCATCTTTCA TGACACTGAC ATTTTTGAAG AGTGCAGGCC
250451 AGTTGTTTTG TAAGATATCT CTTACTGTGG GTTTGTCTGT TGTTTCTCTA
250501 TTATGAGCTT CAGGTTATAC ACTTTTGGTG GTAGCCTACA TAAGAAATAT
250551 TGTTTGTCTT GAACTTTTAA ACATTTAATT ATAGGAAGTT TCAGCCACAT
250601 ATAAAGTAG TCAGAGTAGT ATAATTTTTT TGTAGACTAA TCAACCCAAC
250651 CAGTTTAAAC GTTATCACCC ATGACCAATC TTGTTTTTCT ATACTTCCAC
250701 CTGTTCTCAC ATGTTACTTT TAAGGAAGTC CTATTCAATCA TATGTTATAT
250751 CCATAAGTAT TTAAATAAAT ATGTGAATTT TGATCTGCTC TTTGACACTT
250801 TCCCTTGGAT GTCCATTAGG CATCTCAAGC TCAGGATTTT CAAAACCTGAA
250851 CTCCTAAATT TCCCTACCAC ATCTGCCCCC TCCACAGCCT TCCCCATTGT
250901 TACATAAGCA AAGGCAAGAT CTAGTTAAGA AAGAACCCTC CAGCTCAGTA
250951 AGTAGTGCCT GAAGGCTTAC TTAGTGTGTG ACAGTTTAAG GATATCAGGC
251001 AAATGACTTT GTCGTCTCCT CTATGAAGAA GTTGGGTGGC AACACACCTG
251051 GTGATCATGC TGCCATCCTT CTCCAAGTTC TCTAACTGG GGGCCCTGGG
251101 GCTTTGTAAG TATTAATATA TGCGATGTCA GGCATAGAGT AGACCCTAGC
251151 ACAGTGGTCA GAAGGGAAGA TGCAGGGGGC AAGCTGCTGG GATTTATATC
251201 CCTCCTTGCC ACTGACTAAT ATGTGTCCTT GGACAAGTTA ACCAACTCT
251251 TTGGGCCCTCA GATTTCTCAT CTGTGAAGTG GACTAATAA TGATTTTTGC
251301 CTCATAGAGT TGTTGTTAGG GTGAGTTGAG ATAATGTATG AAATGCACTA
251351 AGAATAGTTT ATGGCACATA GTAAGTGCTC AGTAAATGTT AACAACTTAG
251401 ACTCTCAATA TATGTGTGGT TGCTTCACTT TGAAAATCCC CAAGCCAAGT
251451 GTCTGAAGGT GTTGACATGT GTTTGTGATG TTTTATACCT GAGGGCATTG
251501 GTAAGTGAAG CAGCTGTTTG TTAAGACATG CATGTAGTAT CTTTTTAGCA
251551 TGCGAAAAGT GCTAGTGCCA ATTCTCTGAG AAAATGCCAT GAAGTTGTTT
251601 AATATAAATT CCAGACATTT GCCATCTCC AACTGACTTC TGGCCACAGC
251651 CACTTCTCAC TCTTGAGGG AGACTACTCC ATAAATGAAA CTCCCCTACT
251701 GGTGCACAAA CAACATCAGC TCTCAGAAGT TATTAGGTGG TACTGCTCAA
251751 AGTCATTGGA ATGTTGGCAA AATGACAAGA AGTCAGTGTT GACTTCTTTT
251801 CTGACTGAGG AATTTCCATG TACATTTGAA GAGTGGTTGC TATTCATGTA
251851 TGGATAGATA AATGATGAAT GGATAGATGA ATTGATGGAT AGGTAGGTGG
251901 ATGGATGGGT GAACGGGTGG ATAAGTGGG CTTTGTGGCT CCATGGTCCT
251951 CCTGAACTT CTGCTCTCAG GAAAGGTTTT CTGTTCAAAA AAGTTTTTTG

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252001 TTTTGTGTTTG TTTTTTTTTG TTTTTTTTACA CCTCAAGCCA GATTAAATTC
252051 CAGGCCTGGC TCCATGCTCC CACTAGAAGC CAAAAAGGAG ACCCTGTGGA
252101 ATGACGGCTC GTCAGCTTTC AGCTCTGAGG AGGGCAAGGG GCCACTGTGA
252151 CTAAGACTGG TCCTTTAACT CACAGAGGCC AAGGCAATGT ACATGAAGGG
252201 CCTGCTCTAT CTAAATGAAT TATCCTCTTG GCCTCAGCTT TATACATCAA
252251 GTAAGACCAC TGGTGTCTCG TGCCTTACTA CTTAGAGTGT GGTCCCTGAC
252301 CTGACCAGG GACATCATCT GGAAACCCGT GAGAAATGCA AACTCTCTGG
252351 CCCCTCCCT CCTGAATCAG AATCTGAATT TTAACTATT TAGAAATTCA
252401 TATACACATT AAAGTTTGAG ACATTTGTTA CCAGAATGTG AGTTGGAATC
252451 AGTCTTAATA AAAATCAAAT ATTATATAAA ATATATTAAT ATATTTATGT
252501 TTTAAGGCCC TAATATTTTT GACTTTTTAA AATTTACTTA TGCTGGGAGT
252551 GGCAGCTCAC ACCTGTAATC CCAGCACTTT GAGAGACCAA GGAAGATTGA
252601 TCACCTGAGG TCAGGAGTTT GAGACCAGCC TAAATTACTA AAAATACAAA
252651 AATTAGCCCG GCATGGTGGC ACACGTCTGT AATCCCAGCT ACTAGGGAAG
252701 GTGAGACAGG AGAATCGCTT GAACCCAGGA GACAGGTTGC AGTGAGCTGA
252751 GATCACGCCA TTGCACTCCA GACTTGGCAA CAAGAGCGAA ACTCGGTCTC
252801 AAAAAATAAA ATAAATTCAC TTATTTTCCA TTTATTTTAA TAAGGAGTAT
252851 ATAAATTTACA TGCAGCAAAA CTCACCTCTT TTTATATATA GTTCTATAAA
252901 TTTTGATTTG TATACAATAA GATTCACTCT TTTTAGTAAA CAGTTCTATC
252951 AGTGTTGACA AGTGCAAATA GTCGTATAAT TATCAGCACA ATCAAGATTA
253001 TTATAGAACG GTTCTCTGTC CCCGAAAATT CCCTGTGCTC CCCCTTTGTA
253051 GTCAGCTCCT CCCACCATAC CCTGTACCTC ACAACCATGG TCTACTTTCT
253101 GTCCCTATAG TTTTTCCTTT TTATAATGTC ATATTAGTGA AATCATCACT
253151 TAGCATCATA GACCCCATTT GTAACGGAT AGTTAGTTAT GAATATGGAT
253201 CTAGATCTAT GCATAGTCAT ATGCTAGAGC CTTGCAATTT TGAATAACTT
253251 CATTCTCCAC AGAACTGTCA CAAGGAGACT CAGGTCTGGC ATTAAAGTCA
253301 CAGGCACCTC ACTAGCAGCG GTCCCGAAGG TTTCTGTCCC CAGTAAGAGT
253351 CTGCTGTTAG AGAAACTTGC TACCCAGAAA ATTTTGAGGC TGAAC TGCTG
253401 GTTTCCTGT CAGACTTGTC AGCTTTTTCG AATGGCTGGG AGGCCTTAGT
253451 TCCTGGAAAC AGTGTGAGTA GAGGGAGTCT CCTTCATCTT GCTCTATTGA
253501 GATTTCTAGG GATCAGATCC ACCTCACTAA AAAGCTCAAT AATGGAAAAG
253551 GCCTGAGAAT CTGGGGGAGC TTCTGAGCCC ACTTTTCCAA TTGGAAGTCA
253601 GGGACCTGAA AAACATCTGG GCCCTAAGAA ACAGTTTAAT GACAGGGATG
253651 GCATCATTTT CTGGTGACAT TCTCTGAATC ACCTTTGCAT TGCCAATTCA
253701 TGCAGTGAGC ACAGGAAAAA AATAATCTTT GTAGGGATAC GTGTTCTCCA
253751 CTTTAGGAAC TGCAATTACA CATATAGTAG GCTATTTGAA GTTGTCCTCC
253801 AGCTTACTGG TGCTATGCTC TTTTTTTTTA AGGCTTTTTT TTCCCTCTCT
253851 GTCTGTCAAT TTGGATAGTT TCTTTTGCTA TGTCTTAAAA TTTATTAATC
253901 TTTTCTTCTG CAATGTCTAA TCTACTGTTA ATCTCATTCA GTGTATGTTT
253951 ATAAATAGAC ATTATAAGCA GTTTGAGATT CATAGCAAAA TTGACTGGAA
254001 CATTCAAGGT ATTCTTCATC TTAGACATTA AGTTTTCATC TCTAGAAGTT
254051 TGGTTTGAGT CTTTTTGTTA CATCTTTCTT GTCTCTGTTT AACATGTTCA
254101 ATATTTCCCT TATTTAACAA GTAGAGTACA GTTATACTAA TTATTTTGAT
254151 GTCTTTTGACA TTGTGAGTTA AAACACACCC TGTGTGGGTG TTGGATAATT
254201 CTGTATTCCA ATAAATAGCC GGGATCTTTG TTTTAGTTGC TTGGAAGCAG
254251 TTTGATACTT TTGGTTTTTA CTTTGTAGCT TTGTTATGTG GGACCAGGGC
254301 AGCATTTAGG CTACAGCTGG TTATTTCCCA TTAGTGAGC AAGACCCCTC
254351 TGGGTTCTCT ATGCAATGGC TGATGAATGA CCAGGTTTAC CAGTTTGCCA
254401 AGTATGAAGG TCTGAAGAGG CACTATTCAT GGCCCAATGT GAGCCCCAAG
254451 TACTATTCTC TCTCATCCTC TCGTGTCTCT CCCTCTCTCA GCTCAGTAAT
254501 CTCCTCACAT GCACGTGCTG GTCTACACTC AGCTGAATCA CACTGTATGT
254551 GTGGGTATAC ACAGGTTTAT TGATTCTTTT TGCTTCACAT TTTTTTAAAC
254601 AGCTTTTGTT TTAATACTTT TGTTAATTAT GTAACATGTT TCCATGGGTC
254651 CAAAGTCAGA TCTATTAAAA GCCATATTTA ATGAAGACTA GCTTCTATCC
254701 TTGATCCCTT GCCCTATTTT CTCCCTTCCA TGTTTAAAAA TTTCAGGGCT
254751 CATCCTTTCA TTTAAAAATA TATTCAGATA AATGAATCTC TCTCCTGCTG
254801 CTTAAGAAAT TGGTAACATA TTATATACAT TTTGTCTCCT TTATTTAGTA
254851 ATATATGCTG GAGCACAGTA GTATATGGCA ATATTCTTCA CTCTTTTTTA
254901 CAGCTTCCAA GTTCTCCTCT GTGTAGATGT ACTATTGTTT ATTCAACCTG
254951 TAACCTAATG ACGGACATAC GAGTATTTGC AGTCTTTCGC TAGTACGAAT
255001 AGTGCTGTAA TTAATAGCCT TGCACATTCA GGGTTTTTTG TTTGTTTTAT
255051 TGCCAATGTA TCTTTGAGAT AGATTTCTAG AAGTGAGATT GCTTAGTTAG
255101 AGAATAAATG CATACATAAT TTTGGTAGGT ATTTCCAAAT GCCACTTTGC

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255151 ATTCCCACCA GCAAAGTATG AGAGTGTGT TTCCCCACAA AGTACGTTAT
255201 CAAACTTTTG GAGTTTATTC TGCCTGTCTG TCTGTCTGCC TATCTATCTA
255251 TCCATCCATC CATCTATTGT ATATCTACTT TTGTCTTTTA TAAATGTAGT
255301 ATTTCAATTG GTGGTCTATT TTAATTGCTT TTGGTATATT TTTTGGAATT
255351 TAGGAAGCTA TATTTTCATG TCTTACAGCA AACACACTTG AGATTAAAGT
255401 GCACAAAATG TCCCCACATC TAAATTTGGA GTGGAAGGGA AGAAACCACT
255451 TTTAGCCTCA GGTTCAGCT GAGATATCCA ACACAGCTTT CCAGAAACCT
255501 TGCTTACTGG GAGTCAAATG GTGTTGCTTG CAAAGATTAA TAAAAGCGAT
255551 ACTTTTTTTT CTCATTTAGC TATTTAGCCA GAGATTTTTG TTTAAATTAT
255601 CTTAATGAGG AGTAGGGGTT TGTGGTGTTT TAAATCTCTA ATATCTAGGA
255651 GGAATCACCT TTCCAGGGCT GCTGATTTTG GTGTCATCAG TTTTAGATTA
255701 TTAATGCCTA GAGATCAGAC ATTAGTCTGG CATTATTAAT GCCATAGAGA
255751 TCAGTGTAGT GACATGCACA TCATGCCCAA GTGGACATTG CTTCTCCTAT
255801 ATGTGGACAT TGTGTTTATA GTATTTATAG AGGAAGATGA GGGGTAAGGT
255851 GATCTTCTTC ATAGAAGTGT CTCATGCCCT GGTATATTGA ATGGCTACCA
255901 CAGTGCATGC CACTGCTGAT GGTCAAAACA GGTTCCTGTA TTTTGCATC
255951 TGTGTCATAG ATGCCTGTTT TCCTCCCCAG GTCAGAGCAC AGCCCTGGTA
256001 TAGTGCTGCC GTGAGGGCTG AAGTCAACTA TTTAGAGGCT GCAGAAGGCA
256051 CAGGGATTTT CTATAAATAA CAGTGAGGTC AGACCTCATA ACTGATTCAG
256101 TCTCAGATAG CCGGTTTACA AGTTCCTGAA ATTTCTCCTT CACTTCAAT
256151 CACAGGAATA TCTTGACAGG AAGATCTAAA CAGAACATGA GAAGTCCATG
256201 ATCTTTATTG TCCTTCTTGT TAACCTGATA TATAGCTCAT GGTACAGTAG
256251 CAATCACTTG TAAAAATGAT GGTGAGACAT TAAGCACTTG CTAAAAATGT
256301 TCCTAAGATA GGTAGTAAC ATGAAGTTTA TAATCGTACC AGCTCAGATT
256351 TTGAATGGA CCAAAGCCAT AGCAATGTTT ATATGGAGGG AAATAACTT
256401 TCAATGCATG CCTCCTTTGT GCCAGGGAGT GTGCTAAGAC ACCTTCTGTT
256451 TCCTGAAGTT CTCACCATAT ACCTGTGAGG TGCAGGAGGAT TCTCCATTTT
256501 ATAGGTAAAG AGTTTGTATT TCAAGAGGTG AAGAAACCTT CCCATTGCCA
256551 TATAGCTAGT AAGTGGCAAG GCTACACTTC AAATAGAAGT GTAGTTAATT
256601 CTAAAACCAAG AGCTGGAAG TACTGCCAAG ATGAGATGGG AACAGTGGGA
256651 GCTGAGTGAT GCTAAAGTCT AGATCTCATC AGGAAGTCTA AAGAAGCCTC
256701 TTAATTACCA CAGGCCTTTT ATGTACCTGG CATCATGCTC TGGAACCTAT
256751 TTGTTTTTCT TTGGTAGCCA TAAGTACAAA CCAACTCACC TTAGAGATGC
256801 AGAAGCTGTG ATTCAAAGAG GTTAAGTTAA ACACCCAAGA CCAAAGCTGG
256851 CTTCTAGGGT TGGTCTGTCT GCTGTCATAT TTTATGCCCT TTCACATGCT
256901 TTTCTGAATT GGCAGGTATT GGTATTTGTA TTTTGACAGC ATCTCATCTT
256951 CTGAGCTCAG GCTATTACTG TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG
257001 TATCACTAGA ATGTACTATT TTAATTTTCC AAGATTTCCA AGTGCTTTAT
257051 GAACAAAGCT CATCTGTTT CACTGATTGA AGTAACCTT TAATGGAGAA
257101 ACAGATGCAG TGATGTTTCT TTTCTCATTC CTTTCCAAA TCTCATTGAA
257151 AAAGTGCTAG TTGTACCTCC AACATTCCCT TTTTAAATA AAAGGTCAGT
257201 ATCAGGCAGT GTTCTGAAG AAAGTCTGA TTGAAATCAG CATTTCAATT
257251 TCAAAACAAC AAAAGTTTGT ACGTAACAAA AGCTTGTTAA TCAGCAAATA
257301 AGGGTTCTCT ACCCAAAGAG TAGTGTTTCT AAATTTATAT GTCGGTTTTA
257351 AGAGATCCTT TAAAGAGCCT GTCAGACCTC TTAATCAGCT GTCTCAAGGC
257401 CTGGAAGCAA TTAATTGAAT TCTTCTTGAG AGTCTGTTAG GTGTGAGGCA
257451 TTGTGCTTTG GGGCATAGAA CAAAAGACA CTTACAACC TAGCTAGGGA
257501 AACCAGGACAC CTGTAAGTGT GATTTACAAG ACTGAGGGCA AATGCCAGGA
257551 GCCACTGGAG TGGAGCCAGC ACTCTGGAAG TTCAGAGGAG GAGGCCATC
257601 TCTTATAAAG GAGTGAGCAG ATTCATGCAC TTCTCCCTGA AATGGACCTG
257651 TTGTATTTGT TTCCCTGCTC CAGGAATGAC TTATCATCTT TCTCTGAAGC
257701 GGAGGTTTAC TAGCATAACT GTAGCCCAGA TGTGAGCCAG CTTGTCCCTG
257751 CCTCTCCAGA TCTAGGCAAC TTTGACTTAA GCCCTTAGGA CATGCCCTAT
257801 GGTAGCTCAA AGCCTTTCCCT AAGACTTCTA CAAACTCTTG GGTGCTGTGA
257851 TGATCTCATC CTCTGGGCTT CTGTCTCTAT TGTCCCATTT CTGACCCATA
257901 TTGATGCAGA GTGAAAAATC TAGGCTTTTA ATTCATTTTC CCCAATACTC
257951 CCTGTGATGG TTAAGTGAGT GTCAACTTTA TTGGATTGAA GGATGCAAAT
258001 CCAGTCAAGG GTGTGTCTGT GAGGGTGTTG CCAAAGGAGA TTAACATTTG
258051 AGTCAGTGGG CTGGGAGAAG CAGACCTACC CTCAATCTGG GTGGGCACTA
258101 TCTAATCAGC TGCCAGCATG GCTAGAATAA AAGCAGGCAG AAGAACGTGG
258151 AAGGACTAGA CTGGCTGAGT CTTCTGACCT TCATCTTTCT CCCATACTGG
258201 ATGCTTCTTG CCCATCAGAC TCCAAGTTCT TCAGCTCTTG GACTCTTGGA
258251 CTTACACAAG TGGTTTGCCA GGGGCTCTCA AGCCTTCGGC CACAGACTGA

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258301 AGGCTGCACT GTTGCCCTCC CTACTTTTGA GATTTTGAGA CTCGAACTGG
 258351 CTTCTGGCT CCAGATGGCC TATTGTGGAA CTTACCTTG TGACTGTGTA
 258401 AGTCAATCCT CCTTAATAAA CTCCTTTTCA TATATACATC TATCCTATTA
 258451 GTTCTGTCCC TCTAGAGAAC CCTGAAAAAT GTACTCCTAT TCATCCAAAT
 258501 CTTCTGTGAG TACACTTGAC TTTTTTGAAA ATTTGAAAGC TAGCAATAAA
 258551 AGCCTCATGT CACAAGGACA TAAGCAACTT CAACTAATC ATTAGGCATC
 258601 CCTGTTCTTT AAAAATGCTC TTTAGCAGGT GGGCCATTG GAAAGGAGGC
 258651 TCTGAGATGA TTTTCATGTG GAAAGGTTT TGGGGATGGC CAGCTCTCTG
 258701 GATCCATTTA TATAGGGGCA AGGAAGGAAA CAGGAGTGGG TAGAGAGAGA
 258751 AGGTGGGCTG TGGTACCATC TCAGCAAGGC CTGGTCAACA GCACAGGGTG
 258801 CACTGAAGTT GGGATGGCCT TGCAGAGTTC ATTGAGGGGG CTGAGCTCAA
 258851 GAGCCCTGCG TCTACCAGTC ACTCACTGCA GGAATGCAGG AAGGGCATGA
 258901 GCCCTGATGA GGCAGTTCTT GAGCTGAGCT CAGCTGAGGG CAATTCCTCA
 258951 AGAGGGCTGA TGGCTGAAAT CTGTCTCCCA AGGGCACTCC AAGTAGGTGG
 259001 AGAATAAAAC TTCTCTATTT TGA AAAACAG TCTTCATCCC CAGCTCCATT
 259051 TCAGTTTTCT GGCATCTCTC ACTTTCCAC GTTTCTCAAG AGCAAAACAA
 259101 ACTTTTCTCA TGGCGGCACC TGAGTCATTC TTCTGCTTCT TTTACTAATAA
 259151 CTATGTCTC AGGCTTTTCT CTTTCTTCTC AAAAGTCATC CTTGCCTATT
 259201 GTTTTCTAAA TAAATAATTT CTGTGTGTGC ACGCATGTCT GTGCCAGCTG
 259251 ATGCTTAACA CATTTGTACC CTAATTCAT TTGCTCCATT TCAGTAATGA
 259301 TGGGAAGCAT CAGAGAGATA AATCGCTATA ATGAGAACAA TGTGGATTTT
 259351 AGGACCTGAA CAATCTGGGT TTGCAACTTG GCTACTTTTA CTCTGTGGTC
 259401 TTAGACAAGT CCCTTTACTT CTCAGAGCCT CAGTTTCTTC ACCTGTACAA
 259451 TGGAGGAATA TTTAAAAATA GCACTATATT GTGTATTAAG TGGTCACCCA
 259501 ATAAATACCA TCCCTTCTAC CCCTCTTTCT TGGCCACTTC AATTGCCATT
 259551 CTGCAGGCCC TGACTTTATG AGTTAGTGTC TCATTGACTA TGAAAATATT
 259601 TGTTCTGTGA GTTTTTTCTAC TACACAAATT TGAAATCCTG CTTCCAAGCA
 259651 AACAACTCTA AAGCAGACCC ATTAGCTCTT ATCAACTGCA AAACAGATGG
 259701 CCAGGGTTGG GGTGTAGGGG GCATGTGGGA GCAGAGTTCA AGGACTTCTT
 259751 GGGCAGTATT TATGTTCTA GTGCCAAGGC TTCTTCAGTG TTCTTAGTAG
 259801 CTCCTGTTTA CTCTTTCTTG TTCATGTTTC TTTTTTCTTC TTAGAGCTGT
 259851 AAGTAACTA TGTACATGT ATTTGATTTT CATTATGACC ATGCCTGAAT
 259901 TGTAGTAAAG TGTACTTTT CCAGCTGAGG GCTAGATATT TTTAAACAAT
 259951 TAAGCATGTT TTATGATAAA ATTAAATAAA TGGATACAGC TGTTCTTATA
 260001 GTATTTTGAA ATATCTATAT TATATTATTC ATTGTTGAAA ACCCTAAACA
 260051 CCACAGGTA CTACAGGCTA AGCAGGAAGT TTTGTTTTTA TTTCTCTATC
 260101 ATTGAGTTTT GCCTAATAGT TTCAAATTG CCAAATTAGA AAAAGGAAGC
 260151 ATGCAACATG AACCTTTCAA TTCTCAGGAT AAAGTGCCAT ATCTGGACTT
 260201 CCAATGCCTG GGATCTCAGA AAGGAGGCAA GTTTACTCTG ACAGTATGGT
 260251 ATGAAGATAT TGACAAAAA AATTTACAAA GAGATTATTT TGGATTCTTG
 260301 ATAAGGTGGG GGTAGAATCA AGGAGTTTCA CCTGTCCTTC ATTAAGACCC
 260351 TTGGGGTGTG AGGGGCACAT GCAGGTAAGT CACCCTTGTC CAACATGAAT
 260401 GCACAAACAG AGCGGCCAGA AGCACTCTGG GTAGAGTCAG GTGCAGAATA
 260451 ATGGGCAAAA CCTTAGAAAA ACTGGAAGAA TATTAGAGCC CTAGTATTGC
 260501 CCACTCCATA TGAAATAGCA GTTTTTTTCT GTCCATCTGT GCCCATGGAA
 260551 GCTGGACTGC AGGGAAAGGT AATCTCATAG GAGCAGGCAT GCTCTTTGGT
 260601 GCAGCCAAGG ATTGTTTCA AGACACAGAG ATCCCTGCCT CCAGAACAAG
 260651 AGGTAAGGGT GTATCATGGG AATGGGACCC ATGGCCACT TTATCTGTTT
 260701 CAAGGATGGT CCAAAGATGT TTCTTTGTTT GTTTGTTTGT TTTTCAAGAA
 260751 GGTCTCACTC TGTCTCCGG GCTGGGGTGC AGTGGTGTGA TCTCAGCTCA
 260801 CTGCAACCTC CGCCTCCTGG GTTCAAGCAA TCCTCCACC TCAGCTCCT
 260851 GAGTAGCTGG GATTACAGGC ATGCGCCACC ACGCTGGCT AATTTTTTACA
 260901 TTTTATAGTAG AGATGGGGT TCGCCATGTT GGCCAGGCTG GTCTCGAACT
 260951 CCTGACCTCA GGTGATCCAC CTGCTCGGC CTCCCAAAGT GGTGGGATTA
 261001 CAGGAGTGAG CCAGTGCGCC CTGCCAAAGA TCTTTGTTT AAGCCTACTT
 261051 GTATCTAAGA TTTTTAAGC CCCGGGGATA TCTGAATTAT AAGAGTATCT
 261101 CAGAAATGCT ATCCTCCCTC TATCAACATG GGAAAGGCTG TGGATTTGAC
 261151 CTACTTGCCA CAAGTCCTTC AACCTCCAG ATGCCAAGCT GAGCCAGCCC
 261201 ACCTTGGTCT AACTCCAGAG CATTCTGATT TGTGCTTCT CGTGGCATCT
 261251 CAGCCCTTGG AGAACGCTAT TATACCAGTA ATATTATGTA AGGAAGGCTG
 261301 AGATTTTGGT TTGCCTTAAC ATTCTCCACT TCATCCAGG GGTATCCCTT
 261351 TCTCTGGACA TGATATAGAT TTACATGCAT TCCATGTTCC TGCCATAGAA
 261401 ACTATCATGA GTTCTTTGCT GTCCAATATT CATAAAAAAC CTGGTGGCAA

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261451 AAATTCATAT TCATAAAGGT TTGCTGGAAA GATGTGACCA CCACCAATTT
261501 CTCCCCATCT TCTAAATCTT ACTACTGAAT CCACCCATTT CATGACCATG
261551 ACATTTAAGG GGAGAGAGGT CTCCTCTGCC CACTTGCTCT CACTCCAGT
261601 TGTTTGTCCT GAGTGTGTTT TGATTTTCATG CTGTTGATTT CAATTAAGGA
261651 TATGACAAGA AATATTGTCA CCTTCTGTAT CATGCCATGT TTTCAGGTCT
261701 TCCTCCTCCA CATTGCAATG TTCTCTTTCT CTGCTGCCTT AGTATCTGGG
261751 AAGCTGTTTT TCCTGAGTAG CAGGTTTGTT TTTAATCCTA GGGTTTGAGT
261801 TGGTGAGCAT ACTGATCATC TTTTCTGCTT TGGCCACTAG GAATCATAGA
261851 ATCAAATTTA CCTCTGTCTT CGAAGATTAT ATGGTATGCA TTTCTTTCTT
261901 TCTTTTTTTT TTTTTTTTTT GAGACGGAGT TTCACTCTTG TTGCCCAGGC
261951 TGGAGTGCAA TGGGGTGATC TAGGCTCACC ACAGCCTCCG CCTCCCAGGT
262001 TCAAGCGATT CTCCTGCCTC AGCCTCCTGA GTACCTAGGA TTATAGGCAT
262051 GCACCACCGT GCCTGGCTAA TTTTGTATTT TTAGTAGAGA TGGGGTTTCT
262101 CCATGTAGGT CTGACTTGTC TCGAACTCCC GACCTCAGGT GATCCACCCG
262151 CCTTGGCCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA CCGCGCCCCG
262201 CCTATATGGT ATGCATTTCT GTGTTAATCT TACTCTTAGA TTATGACTTT
262251 CTGACTTTA TTTTTCCTCT ACCCTGATT CAACTAATTA GTTTAATGTT
262301 TTGTATAGTA TAATATATGT TCTTTTAGGC TTCCTCAAAT GCTTTGTGAA
262351 ATGCAAGGGT AGATAGTAAT AAATAAATTG CAGAACTATA AAACGGAGAT
262401 TAAAAACATT CCTTTCCCCT CCCAGATTAA AGCTACTCAT CAGAACTCAT
262451 CAGAAAAATC AGGTGTATTA GTCTGCTCGG GTTGCCATAA CAAAGTACCA
262501 TAACCAAGTT GCTTAAACAA CAGAAATATA TTTTCTGACA GTTTTGAAGG
262551 CTGGAAGTCC AAGATCAAGG TGCCAGCAGG TTTGGTTTCT CCTCAGGGCT
262601 CTCTCCTTAG CTTACAGATG GCTGTCTTCT TTCAGTGTTT TCATATGTCC
262651 TTTTCTCTGT GTGGACCCAC ATCCCTGGTG TCTCTGTGAG TTCAAATTTT
262701 TTCTTATAAG GACACCAGTC AGATTAGATT AGGGCCACCA ATAACAGCCT
262751 TGTTTTAACT TAATCACCTC TTTCAAGCCC TGGTCTACAA ATATACAAAT
262801 ATTCAGAGGT AATGGGAGTT AGGACTTCAA CATATGAATT TGGGGGATAC
262851 ACAGTTCAGT CTATAACATA AGGTGTTTTT ATTATCTGTG GTGGAAGGAC
262901 TTTCTTACAG GCCCTTTTCT CCCTTGCTCA TGAGGGATAG GTATGAGTGT
262951 TTGGAAGGCA CTTGCACAGA CCATGGCAGT AGCATCAAAT GCCTTCCAAA
263001 GGACCTCCAC CTGTAGAACA GAGGTGACTG ACGGGATTGT GTTTGTAACC
263051 TTTTGTGCTT AGTGTACCT GTGACAGATA AAGAGGACAA GCCTTATGCT
263101 CTCCCATTAG AAATTTTTGT CCACTCCTGT GCCTAGGTCT CAGGTTCTAG
263151 GTGGTGTACA GTTCCAGACC TGCCAGCAGC ATCACAGCTT GTATCTCAGC
263201 AACAACGTGT CCAGGGCACA CCTGACTTTC ACACAGATTA TTCTCAGGAT
263251 GGTCTGTTAT CACCAGAGG TTCTTGATAA GACAAACCCA GTGCTACTGA
263301 CTTCACTATC ATGGTGCAAC ACAGCTTGGA GAAATGGGAA AAAGCAGGCC
263351 CATCTTTGCC TTACCTGTCA TCCAAAGATG GAGACAGAAC TCTGATTTCT
263401 TAACATTATC TCTGCAAGTC AAAGTGTTCA AATTCTTGAC ACCAGCAGTT
263451 AAAACACAGG GCCTTTGATT GAAGCAGACA ACTGAGTGAG TTTTCCAGGA
263501 GGTCTGAAGA AAGCCAACCT ATTATCCAGG TCTCTGAACA GACAAATAAT
263551 TATGAGACAC TGAATGTAT TTTCCCATGC AAGTCAGAAA TGGCTCAGCC
263601 TCTGTTTTGC ACTGTTAATT ACACTATTGG GCAGAGCCCT GTTACAGTTC
263651 TTGGTCTATG ACTTACCCTT GATGCCTGGC AGCATGGGTA GGAAACTGAG
263701 CTAATGTGTG GTCCTGACTT ACATCAAAAT GTGTGCACCC TCACCAGTGT
263751 CAGGTCAAAA ATGAGAGGCA AGAGGAATTT CAGACATAGC AGGAGTGCCCT
263801 CTGCTGTTGT ATCAGCTCGT AAGAGAAAAG AAGGCAGAAT TATTTTGAC
263851 TGTATTTTGT CAGCAGCAAT GTTCTGATCT CAAGAAATTG TGATGTTCTC
263901 CATGGTGAAA ATCAGTGAAC TAGCTGAGAC TTGAGAGAAG CAGGGAGAAT
263951 GCAGCTTACA TAAGCCCAGG CTGCTACCCA GGTCAGGGGT TCTGTCTCCT
264001 TTGTCTCTTG CCAAAGTCAT TGTGACTAG ACAATTGTCA ATTAGTGTTT
264051 TAGGCCCAGG GATGGCCCTT GCTGCTGTCA TGCTGCCAGA CTCTCTGTGA
264101 CCCCACCCAG CACTTGATGC AGGAGGCTTG AGACAGCTTT CAACCATGCA
264151 CCTAGATTTT TACTAGTATG CCAAACCTG TAAGATCAGA TAACTGCCTA
264201 CTGGAAAAAT CAAGATCTTC CCTTTCTTTT TTTAAAAGGT GTCTTTAGTT
264251 TTAGGTTTAC AGCAAAATTG AGAGGAAGAT ACAGAGATTT CCCATATATC
264301 TCCTGCCCCC ACACATGCAT AACCTCCCCA TTATCAATGT CCTGCACCAA
264351 GATGGTACAT TTGTTGCAAC TGATGAACCT GCATTATAC AGCATAATCA
264401 CCCAAAGTCT ACAGTTAACT TTAAGGCTCA CTGTTGGTGT TGTACATTCT
264451 ATGGGTTTCA ACCAATGTAT AATGTCATGT ATCCATCACT ATAGTATCAT
264501 ACAGAATAGT TTCCTACCC TAAAAATACT CTGTACTCTG CTTAGTCATC
264551 CCTCCAACCC CTGGCAACC ACTGATCTTT TTACTGTCTC CACAGTTTTG

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264601	CCTTTTCTGG	AATGTCATAT	AGTTGTAATG	ATATAGTATG	TGCCCTTTT
264651	CAGTTTGGCT	TCTTTCAC TT	AGTAATATTT	AAGATTCCTC	CATGTCTTTT
264701	CATGGCTTAA	TAGGTTATTT	CTTTT TAGCA	TTGTATAATA	TCCCATTGTC
264751	TGGATATACC	ACAGTTTATC	CATT CATCTG	CTGAAGGACA	TCTTGTTGTC
264801	TTCCAAGTTT	TGACAAC TAT	AAATAAAGCT	GCTATAAAACA	TCCATTGTTCA
264851	ATTCTCTCTG	TGGACATATT	TTCAACCTCT	CTAGGTAAAT	ACCAAGGAGT
264901	GTGATTACAG	AATCATATGG	TAAAAATATG	TGCAGTTTTG	TAAAAACAAA
264951	AAACAAAATA	AAACAAGAAA	TCCTCCAAAC	TGTCTTCCAA	AATGGCTGAA
265001	CCATTTTGCA	TTCCCTCCAG	CAATGAGTGA	GAGTTCCTGT	TGCTCCTCAT
265051	CCTTGTFCAGC	ATTTGGTGT	GTCAGTGTTC	CAGATTTTAG	TCATTCTAAT
265101	AAGTATGTAG	TAGTATCTCA	TTGTCTTAAT	TTGCATTTCC	CTGATGACAT
265151	ATGATATGGA	ACATCTTTTC	ATATGCTTAC	TTGCCATCTA	TATATTTTCT
265201	TTGGTGAGGT	ACCTGTTAAG	GCCCAATTTT	TAGTTAGGTT	GTTTGTTATC
265251	TTATTGTGTA	GTTTTAAGAG	TTCTTTGTAT	ATTTTGCATA	ATAGCCCCTT
265301	ATCAGATAAG	TGTTTTGCAA	ATATCTTCTC	CCAGTATGTG	GCTTGTCTTC
265351	TCATTCTCTT	GACGTTGTCT	TTACAGAGC	GGTCCAGATT	ATCATTTCTT
265401	GCTCTCAAAA	ATCATGCCTT	TGTTGTATCT	AAAAAGTCAT	TGCCATACTC
265451	AAGGTAATCT	AGGTTTTCTT	TTATGTTATC	TTCTAGGAGT	TTTATAGTCT
265501	TGCATTCTAC	ATTTAGCTCT	ATGATGCCATT	TTGAGATAAT	TCTTGTGAAG
265551	GGTGTAAGGT	CTGTGCCGAG	ATCAATTAT	TTGCATATGG	ATGTACGGTT
265601	GTTCCAGCAC	CATTTATTGA	AAAGACTGTC	TTTGTTTCAC	TGCATTGCCT
265651	TTTGTATCT	GTCAAAGATC	AATTGACTAC	ATTTATGTGG	GTCTATTTCT
265701	GGACTTTCTG	TTCTGTTTCA	TTGATCTATT	TGTCTATTCT	TTTGCCAATA
265751	CTACATTGTC	TTGATCACTG	TACCTTTATG	GTAACCTTTG	ATGTCAGATA
265801	TTGTTAGTTT	TCAACTTTTG	TTTTCAATG	TGTTGACTAT	TCTAAACCTT
265851	TTTTACTCTC	CTACATAAAC	TTTGAATCT	GTTTGTCAAC	ATCCACAAAG
265901	TAAC TTGCTG	GGATTTTTAT	TGGGATTGCT	TTGCATCTAT	TGATGAAGTT
265951	GGGAGGAACT	AACATCTTTT	TTTTTTTTTT	TTTAGAGATA	GAGTCTCACT
266001	CTATAGCCCA	GGCTGGAGTG	CAGTGGTGTG	ATGATAGCTC	ACTGCAGCCT
266051	CAAAC TCTG	GGCTCAGGTG	ATCCTTCTGC	CTCAGGCTCC	CAAGTAGCTG
266101	AGACTACAGA	GGTGTCAC	TATGTCGAC	TAATAGAACT	ACACATCTGC
266151	CAATAAT AAG	TCTTTGTTATC	CATTAGTATA	AAATCTCTCT	CCATTTTTTT
266201	AGTTCTTCTT	TGATTTATTT	CATCAGAGAT	TCATAATTTT	CCTCATATAG
266251	ATCTTG TATA	TATTTATGTTA	GATTTATACC	TGTTTCATTT	TGGGGGGGTG
266301	CTGATGTAAA	CGGTATTATG	CTTTTAATTT	CAAATTCAC	TTATT CATTG
266351	CTGATATATA	GAAAAGTGAT	TGACCTTTTG	ATATTAACCT	TGTATCCTGG
266401	AACCTAGCTA	GAATCACTTA	TTAGTCCAG	CAGTCTTTTT	ATCGATTTT
266451	TTAAATTTTC	TACATAGACA	ATCGTGT CAT	CAC TGAAGGA	GAACATTATT
266501	TCTTCTTTCC	CAATCTTTAT	ATATTTATTT	CCTTTTTTAT	CTTGTTGCAT
266551	TAGCTAGAAC	TTCCAGTACA	ATGTTGAAAA	AGTGTGGTGA	GAGAGAACAT
266601	TTTTGCCTTG	TAAC TGACAT	TAGTTGAAAA	AGCTTTGAGT	TTCTCACCC T
266651	TAAGTATGAT	GTTAACTATA	AGTTTTTTGT	AGATATCCTT	TATCAGGTTG
266701	AGGAATTTT	CCTGTATTTCC	TAGTTTACTG	AGAATTTTTA	TCATGAATGG
266751	GTGTTGTATT	TTGTCAA AAG	CTTTTGTTTG	TGCTATTTTA	TATGATCATG
266801	TGATATTTT	ATTTTTATGC	TATTGATGTA	ATGAATTACA	TTAATTGATT
266851	TTTGAACACT	GAAC TAGCCT	CACTTAGAGG	GGATAAATCC	CAC TTGGTCA
266901	TGTTGTATAA	TTCTTTTTTAT	ATATTGTTGG	ATTTTATTTG	CAAA TATTTT
266951	GTTAAAC T	TTTATGTGCA	TGTTTTATGAA	AAATACTGGT	CTGTAGTTTA
267001	ATTTTCTTAT	AACATCTTTG	GTTTTGGTTT	TTATTTTGGT	TTAGGTTGAT
267051	GGTGGTCTCA	TAGAATGAGT	TAGGAAATAT	TCCTTCTGCT	TCTATCCTCT
267101	GAAAGAGATT	GTAGGGAATT	GTTATAAATT	CTTCCTTAAG	TGTTTGGTAG
267151	AAGCAACAGT	GAACCCATCT	GGGCC TTGGT	CTTTCTGATG	TGGAAGGTTA
267201	TTAATTATTG	ATTTCAATTTA	TTGAATAAAT	AGTCTATTCT	TGTATGAGTT
267251	TTAGCAACTT	GTGTCTTTTC	AGGAATTGGT	GCATTT CATC	TAAGTTATCA
267301	AATTTGTGGA	CATAGAGTCC	CTCATAGTAT	TGTTTTATGA	TCTCGTAATAT
267351	GTTTCTTACA	TCTATAGTGA	TGTCCTCTCT	TTCAATTTCTG	ATACTAGCAA
267401	TTTGTGTTCT	CTCTTTTTTT	CTTAATTAGC	CTGTCTAGTG	GCTTAGCAAT
267451	TTTACTGATC	TTTTCAAAGA	ACCAGCTTTT	GGTCTTCTTG	ATTTTCTGTA
267501	TTGATTTCCC	ATTTTTTAAT	CCATTGATTT	CCGCTCTAAT	TCTTACTTCT
267551	TTCTTCTGTC	TTACTTTGAT	TAAATTTGCT	TTTTCTTTTT	CTAAGGTAGA
267601	AAC TTAGATT	ATGGATTTTTA	TATCTTTCTT	CCTTTCTAAT	ATATGTATTCT
267651	ACTGCTATAA	ATTTTTTCTT	AAGCATTTGCT	TTCACTATAT	CCACAAATTT
267701	TGATAAGTTG	TGTTTTTCAAT	TCTATTTAGT	TCAAAATACG	TTAAATTTTA

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267751 TCTTGAGATT TCTTCTTTAA CCCATGTGTT ATTTAGAAGT GTGTTGTTTA
267801 ATCTCCATGT GTTTCAGGAT TTTCTAGTTA TTCTGTTATT GATTTCTAAT
267851 TTAGTTCAC TGTGGTCTGA GTGCAGACAT TGTATGATTT CTGTTTTTAA
267901 AAAAAGTCTA TGGCTTTTAT GGCCCTAAAT ATGGTCTATC TCGGTGAATA
267951 TTACATGTGA GCTTGAGAAG ATTTGTATTC TGCTGCTGTT GAATGAAGTA
268001 GTCTGTAGAT GTCAGTTTTA TCCTTTTGAT CAATGGTATT GTCAAGTTCA
268051 ACTATGTCCT TACTGATTTT CTATCTGCTG TATCTGTCTA TTCTGAAAG
268101 AAGGATTTTG GAAGTCTCCA ATGATGATAG TGGATTTATC TATTTTCCCT
268151 TTCAGTGCTG TCAGTTTTTG CTTCATGTAT TTTGACACTC TGTGTTAGA
268201 CACATACACA TTAAAGAACA TGTGTGTTAA GGATTGTTTT GACTTCTTAG
268251 AGAATTGACC CTTTATTAC TATGTAATGC CTTTATTAT CCCTCATAGC
268301 TTCCCTTGCT TTGAAATCTG CTCTGTCTGA AATTATTAAG GCTCCCTTG
268351 ATTTCTTTTA ATGAGTTTTT ACATGGTATC TTGTTCTCCA ACCAATTGCT
268401 TTTAATTGTG TCTTTATATT TAAAGTGAGT TTCTCGTAAT TAACATGTAG
268451 TTGGATCTTG TTTTTGTTT TTTGATCCAC CCTGACAATT TCTGTCTTTT
268501 AATTGGTACA TTTAGATCAT TGATGTTCAA AGTGATTATT GATGTAGTTG
268551 GATTAATATC TACCTATTT CTTACTGTTT TCTATTGTT GTCTCTGTTT
268601 TTTGTTCCAT TTCTATCTTC TAGTCCTTTC TGCCTTTTTT TTAACAGGG
268651 AAAATAAGA TTTTAAAGGC TGATTTGAAT AGTCAGTATA GGTGAGTAT
268701 CCCTTATCTG AAATGCTTAG GACCAGAAAT TGTTTCAGAT TTGGGATTTT
268751 TTTTTTCTG GATTTGGGAA TATTTGGTTC AGCATGCCA ATCTGAAAC
268801 CTGAAATTTG AAATGCTCCA ATGAGTATTT CTTTGAAC TCATGGTGGT
268851 GCTCAGAAAG TGTGAGATTT TTCAGCATTT TAAATTTTGG ATTTTGGAT
268901 TAGGGATACT CAACGTGTAG TACGTTATCA TGCGAATCAT GAAGGAAAAG
268951 TTAGAAATGA GTGCACATCA TATTGTGAGG CTGTAATTTT GTTATGTGTA
269001 ATTTTTTTGC ATTAAACAAT TTTTAAAGCC AATTTGGTTC TAAAAACAAT
269051 AGATTGCCCT TTACATAAAG TTAATATATC TGCCCCATTT CATTTAACTG
269101 TTGCAAAATA CTTTATATTA TGGATACACC ATCTATTTT AACTAGTATG
269151 CTATTGATTT CTTTTATGG TTTAATTGA GCAGATTCCC TTATCTCTCC
269201 TTTCTAACAT ATCAGTTATA CTTTTTTAG TGGTTGCCCT AGAATTGGCT
269251 GTATACATTT ACACTAATC CAAGTTTACT TTCCTTTTTA AATTAAATTT
269301 AAATTTTTTT GAGAAAGGGT CTCATCTGTT GCTGAGCTGG AGTGGAGTGG
269351 TACAATTTCA TTTCACTGCA GCCCTGACCT CCTGGGCTCA AGTGAGCCTC
269401 CTAACTCAGC CACCTGAGT AGCTGGGACC AAAGGTGAGT GCCACCACAT
269451 CTGGCTAATT TTTGATTTT TTGTAGAGAT AGGGTTTCAC CATGATGTCC
269501 AACCTGGTCT TGAATCCTG AGCTCAAGCC ATTCACCTGC GTTGGCCTCC
269551 CAAATTGCTG GGATTACAGG CATGAGCCAC CACACCTGGC CCAAGTCTGC
269601 TTTCAAACAA CATTATACCA CTTCATAGGT AATGTGGGTA CCTTATAATA
269651 ACAAATAAAT CCTAATTCTC TCCTCCATCC CTTCTATAAT TACCATCACT
269701 CCATTTATAT ATAAACATAC ATAAGAAAAT ATATGTACAC ACACACATGC
269751 ACACATAAGC ATACATCATT GAGTACATTT TACTATTAT TATTAGAACA
269801 GGTTGTCTGT TAGATTAAGA AAAATAAAAG TCTGTAAAC CTACCTTCAT
269851 CGATTCCTTG TTCAGTGATC TTTCTTTATG TAGACCTGAG TTTCTGACCT
269901 ATGTTATTTT CTTTCATTTA ACATTTCTTG CAAGGCAGGT CTCCTAGCAA
269951 CAAATTCCTT CAATTTTGT TTGTCTGAGA AAGTCTTTAT TTCTCCTTTA
270001 CTTTTGAAGG ATAATTCTC AAGGAACAAA ATTCTAGGTT GGTGGGATTT
270051 TCTTTTATAA CTGTATGTAT TTCACACGAC TTTCATTTTA CTGTCATGAT
270101 TTATTTTATT TTATTTTATT ATTATTATAC TTTAAGTTT TAGGGTACAT
270151 GTGCACAACG TGCAGTTAG TTACATATGT GTACATGTGC CATGCTGGTG
270201 TGCTGCACCC ATTAACCTGT CATTTAGCAT TAGGTATAGC TCCTAATGCT
270251 ATCCCTCCCC ACTCCCCCA CCCCACAACA GTCCCCAGAG TGTGATGTTT
270301 CACTTCCTGT GTCCATGGGT TCTCATTGTT CAATTCCCAC CTATGAGTGA
270351 GAATATGCCG TGTTTGTTT TTTGTTCTTG CGATAGTTTA CTGAGAATGA
270401 TGATTTCCAG TTTTCATCCAT GTCCCTACAA AGGAAATGAA CTCATCATTT
270451 TTTATGGCTG CATAGTATTC CATGGTGTAT ATGTGCCACA TTTTCTTAAT
270501 CCAGTCTATC ATTTGTTGAC ATTTGGGTTG TTTCCAAGTC TTTGCTATTG
270551 TGAATAGTGC CACAATAAAC ATACGTATAC ATGTGTCTTT ATAGCAGCAT
270601 GATTTATAGT CCTTTGGGTA TATACCCAGT AATGGGATGG CTGGGTCAA
270651 TGGTATTTCT AGTTCTAGAT CCCTGAGGAA TCGCCACACT GACTTCCACA
270701 ATGGTTGAAC TAGTTTACAG TCCCACCAAC AGTGAAAAG TGTTCTTATT
270751 TCTCCAAATC CTCTCCAGCA TCTGTTGTTT CCTGACTTTT TAATGATTGC
270801 CATCTAACT GGTGTGAGAT GGTATCTCAT TGTGGTTTTG ATTTGCATTT
270851 TCCTGATGGC CAGTGATGAT GAGCATTTTT TCATGTGTTT TTTGGCTGCA

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270901 TAAATGTCTT CTTTTGAGAA GTGTCTGTTC ATGTCCTTCA CCCACTTTTT
270951 GATGGGGTTG TTTGATTTTT TTCTTGTAAG TTTGTTTGAG TTCATTGTAG
271001 ATTCTGGATA TTAGCCCTTT GTCAGATGAG TAGGTTGCGA AAATTTTCTC
271051 CTATTTTGTA GGTTCCTGT TCACTCTGAT GGTAGTTTCT TTTGCTGTGC
271101 AGAAGCTCTT TAGTTTAATG AGATCCCATT TGTCAATTTT GGCTTTTGT
271151 GCCATTGCTT TTGGTGTTTT AGACATGAAG TCCTTGCCCA TGCCTATGTC
271201 CTGAATGGTA ATGCCTAGGT TTTCTTCTAA GGTTTTATG GTTTCAGGTC
271251 TAATGTTTAA GTCTTTAATC CATCTTGAAT TAATTTTGT GTAAGGTGTA
271301 AGGAAGGGAT CCAGTTTCGG CTTTCTACAT ATGGCTAGCC AGTTTCCCA
271351 GCACCATTTA TTAAATAGGG AATCCTTCC CCATTGCTTG TTTTCTCGG
271401 GTTTGTCAAA GATCAGATAG TTGTAGATAT GCGGTGTTAT TTCTGAGGGC
271451 TCTGTTCTGT TCCATTGATC TATATCTCTG TTTTGGTACC AGTACCATGC
271501 TGTCTTGGTT ACTGTAGCCT TGTAGTATAG TTTGAAGTCA GGTAGCCTGA
271551 TGCTCCAGC TTTGTTCTTT TGGCTTAGGA TTGACTTGGT GATCGGGCT
271601 CTTTTTGGT TCCATATGAA CTTTAAAGTA GTTTTTTTCC AATTCTGTGA
271651 AGAAAGTCAT TGGTAGCTTG ATGGGGATGG CATTGAATCT ATAAATTACC
271701 TTGGGCAGTA TGGCCATTTT CACGATATTG ATTCTTCTTA CCCATGAGCA
271751 TGAATGTTT TCCATTTCT TTGTATTCTC TTTTATTTCA TTGAGCAGTG
271801 GTTTGTAGTT CTCCTGAAG AGGTCTTCA CGTCCCTGT AAGTTGGATT
271851 CCTAGGTATT TTATTCTCTT TGAAGCAATT GTGAATGGGA ATTCACTCAT
271901 GATTTGGCTC TCTGTAGCC CAAAATCTCC TTAAGCTGAT AAGCAACTTC
271951 AGCAAAGTCT CAGGATACAA AATCAATGTA CAAAATCAC AAGCATTCTT
272001 ATACTTGCAT GATTTCTGAG AAGTCTAATG TAATCTTAT CTTTGTCTC
272051 ATATAGGCAA AATGGTTTTT CCCACTCTGG CTTCTTTCAG GATTTTTTCT
272101 TTACCTTTGA TTTTCTGTAG TTTGAAAATA ATATGCCTAG GTGGTGGTGG
272151 TGGTGGTGGT GGTGGTAATG GTGGTGGTGT TTCTTTTGG TGTATATCCT
272201 ACTTAGTGAT CTCTAAGCTT CCTGGATCCT ATGGGTTGTC GTCTGACATC
272251 AATTGAGGA AATTCTCAGG CATTATTGTT TTAATATTT CTTCTTTTCT
272301 CTCTGTTCTC CTTCTAGTAT TTTTCATGCA TCTATGTATG TATGTAGTAG
272351 TGTCAATATC CTTAGATATT CTCTCTGTT TTTTTTTTTT TTTCACTCTG
272401 GTTCTCTTTT GTTTTTCAGG TTTTGGAGGT TTCTATTAAG ACATCTTCAA
272451 GCTCAGAGAT TTTTCTCTCA GCCATTTTGC ATCTACTAAT AAGCCCATCA
272501 AAGGCATTCT TTGTTTCTGT TACAGTATTT TTTTACACTT TTATTTTAGG
272551 CTTAGACTA CATGTGCAGG TTTGTTATAC AGATAAATTG TGTGTAGCAA
272601 GGGTGTGATG TAAGATTATT TCATCACCCA GGTGATAAGC ATTTAATTTA
272651 TAGGTGGCTT TTGTTTTTCT TTTTGTGTTA AACAGAGCCT CACTCTATCA
272701 CCCAGGCTGA AGTACAGTGG TGCCATCTCA GCTCACTGCA ACCTCCTGGT
272751 TTCAAGTGAT TCTCATGCCT TAGCCTCCTG AGTAGCTGGG ATTACAGGTG
272801 TGTGCCATCA CAGTAACATT TTTAGTAAAG ACAGGGTTT ACCATGATGT
272851 CCAGGCTAGT CTCGAACTCC TGGCCTCAAG TGATCCACCT GCCTCAGCCT
272901 CCCAAAAGTG CTGCAATTAC AGGCATCAGC CACCATGCCT GGCCCTTGAT
272951 AGGTAGTTTT TGATCCTTAC CCTCCTCCCA CCATCTACCT CTCAGCAGGC
273001 CTCAGTGTCT GTTGTCCCT TCTTGTGTT CATGTATACT CAATGTTTAG
273051 CTTCCACTTA TAAGTGAGAA CATACAGCAT TTGGTTTTCT ATTCTGTGT
273101 TAGCTTGCTT AGGATAATGG CCTCCAGCTC CATCCATGTT ACTGCAAAGG
273151 ATATGATCTC ATTCTTTTTA TGAAGTGTGA GTATTCCATG GTGTATATGT
273201 ACTACATTTT CTTTATCTAG TCTACCACTG ATGAACATTT AGGTTGATTC
273251 TATGTCTTTG CTTTTGTGAA TAGTGCTGCA ATGAACACAT GTGTTGCACT
273301 TGTCTTTATC GTAGAATGAT TTCTATTCTT TTGGATACAT ACCCAATAAT
273351 GGAATTGCTA GGATGATTGG TAGTCTATT TTTAAGTTAT TTGAGAAATT
273401 ATCAAGTTGG TTTCCAAAAT AGCTGAACTA ATTTACATTC CCACTGGCAG
273451 TGTATAAGCA TTCCCTTTTC TCTGCATCAT CTTCAGCATC TGTTATTTTC
273501 TGACTTTTTA ATAATAGCCA TTGTGACTGG TGGGAAATGG TATCTCATTG
273551 TGGTTTTGAT ATGCATTTCT CTGAAGATTA GTGATATTGA GCATATTTCA
273601 TATGTTTGTG GGCCACATGT GTATGTCTTC TTTAAGAAG TGTCTGTTC
273651 TATCCTTTGT ACACTTTTTA ATGGGGTTGT TGGTTTTTTG CTTGCTGATT
273701 TGTGTAAGTT CCTTATAGAT TGTGAATATT AGACCTTGTC AGATGTATAG
273751 TTTGTAAATA TTTTCTCCCA TTCTGTAGGC TGTGTTTGA CTCTGTTGAC
273801 ATTTTCTTTT GATGTGCAGA AGCTCTTTAA TTTAATTAAG TTTCATTTGT
273851 CAATTTTGTG TTTTATTGCA ATTACTTTTG TCATCTTCAT CATTAAATCT
273901 TTGCCAAGGC CTATGTGTAG AATGATATTT CTTAGATTAC CTTCCAGGAT
273951 TTTTATTGTT TTAGGTTTTA CATTAAAGTC TTTAATCCAT CTTGAGTTGA
274001 TTTTGTGATA TGGTATAAGG AAGGGTCCA GTTCAATCT TCTGCATATG

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274051	GCTAGCCAGT	TATCCCAACA	CCATTTATTG	AATAGGAAGT	CTTTCCCCAC
274101	TGCTTGTTTT	TGTCAACTTT	GTCCAAGATC	GGATGGTTGT	AGGTGTGTGA
274151	CTTCATTCCCT	GGGCTCTCTG	TTCTGTTTCCA	TTGTTCTGTG	TGTCTGTTTT
274201	TTGTACCAGT	ACATACTGTT	TTAGTTATGG	TATCCTTTTG	ATATAGTTTG
274251	AAGTCAGGTG	ATGTGATGCC	TCTAACTTTG	TTCTTTTGCT	TAAGATTGCC
274301	TTGGCTATTA	GGGCTCTATT	TAAGGTTTCA	ATGAATTTTA	AAATAGTTTT
274351	TTGTAAACT	GCTGAAGAATG	TCAATTATTAG	TTTGATAGGA	ATAGCATTGA
274401	ATATGTAAAT	TGCTTTGGGC	AGTATGACTG	TTTTAACAAAT	ATTGGTTCTT
274451	CCTAATCATG	AGTATGAAAT	ATTTTTTCTA	TTTGCTTGTG	TAATCTCTGA
274501	TTTCTTTGAG	CAATGTTTTG	TAATTCTCAC	TGTACAGAAT	TTTCACTCCC
274551	TGGTTAACTA	TATTTCCCAGG	TGTTTTGTTC	TTTCCGTGGC	TATTGTGAAA
274601	GAGATTGCAT	TCTTGATTTG	GCCCTCAGCT	TGGACATTGA	TGGTTTTATAG
274651	AAATGCTACT	GATTTTTGTA	CATTAATTTT	TGAGGCTGAA	CGTTTTGCTGA
274701	TGTCACTTAT	CAGATTTAGG	AGCTTTTGAA	TAGAGATTGT	GGGGTTTTCT
274751	AGATATAGAC	TCATATTATC	TACAAACAGA	TAGTTTGATT	TCTTCTCCTA
274801	TTTGGATGCC	TTTTATTTCT	TTGTCTTTCT	TGATTGCCCT	GCCTAGGACT
274851	TACAGTACTT	TGTTGAATAG	AAATGGTGAG	AATGGGCATC	CTTGTCTTGT
274901	TCTGTTTTCT	AAGGGGAATG	CTACAGCTTT	TTTTTTTTGT	TCAGATGAT
274951	GTTGGCTGTG	GTTTTGTGAG	AGATGCCCTCA	TATTTTTGAG	ATATGTTCCCT
275001	TCAATGCCTA	GTTTGTGTG	GAGGATTTTT	AACATGAACA	TATGTTGAAT
275051	TTTCTCAAAA	ATCTTTTCTT	CGTCTATTGA	GATGATCATG	TGGTTTTTGT
275101	TTTCAGTTCT	GTTTCTGTGG	TGAATCACAT	TTATTGATTT	GTGTATGTTG
275151	AACCAACCTT	ACATCCCAGT	AATAAAGCCT	ACTTGATCAT	GGTGGTTTTAG
275201	CTTTTGTGTT	TGCTGTCTGA	TTTGGTTTGG	TAGCATTTTA	TCCTGGATTT
275251	TTGCATCTAT	GTTCTCAGG	GTATTGTTGT	GTCTTGCCCA	TATTTTGGTA
275301	TCAGGATGAT	GCTGGCCTCA	TAGAGTGAGT	TAGGGAGGAG	TCCCTCCTCC
275351	TTAATTTTTT	GGAATAGTTT	CCATAGGAAT	GGTACCAGGT	CTTCTTTATA
275401	CATCTGGAAG	AATTCAGCTG	TGAATCTCTC	TGGTATGGGA	CTTTTCTCTG
275451	TTGGTAGGCT	TTTTATCACT	GATTCAGTTT	TGGACCTCAT	TACTGGTCTG
275501	TTTTCAAGAG	TTCATTTTCT	TCCTGGTTCA	ATGTTGGGAG	GTTGTAGATT
275551	TCTAGGAATG	TATCAGTTTC	TTCCAGGTTT	TTCAGTTTGT	ATGCATAGAT
275601	ATGTTTTGAG	TAGTCTCTGA	GGATTTTTTT	TTATTTCTAT	AGGGTTGGTG
275651	GTAATGTCCG	ATTTGTTATT	TCTAATTGTG	TTTATTTGGG	TCTTCTCATT
275701	TTTTTCTTTA	TTATTCTAGC	TAGTGGTGTA	TCAGTCTTAT	TTACTCTTTT
275751	AAAAAACCBA	CTCCTGAATT	CATTAATCTT	TTGGAGGTTT	TTACATCTCT
275801	AGTTTCATTC	AGTTCAGCTC	TGATTTTGTT	TAGTTCTTGT	CTTCAGCTTT
275851	GGGTTTGGTT	TGCCCTCTGT	TTTTCTAATT	CTTGAGTTTG	TGATGTTAGG
275901	TTGTTAATTT	GAGATCTAAC	TTTTTGATGT	GAACACTCTAG	CACATAAAC
275951	TTTCCTCTTA	ACACTACTTT	AGCTGTGTCC	CAGAGATTCT	GGTATGTTTT
276001	ATCTTTGTTC	TCATTAGTTT	CAAAGAATTT	CTTGATGTCT	AACTTAATTG
276051	CATTGCTTAC	CCAAAAGTCA	TTCAGGAGAA	GATTGTTTAA	TTTTCATGCA
276101	CTTATATGGT	TTTTTAGAGAT	CTCCTTAGAG	ATTTCTGTTT	TTATTGTGCT
276151	GTGGACTGAG	AGCTTGGTTC	GTATGATTTT	GATTTTTTTT	CAGTTTGCTG
276201	AGAATTTTGT	TTTGTGGCTGA	TTGTATGTTT	GATTTTATAG	TATGTGCCAT
276251	GTGGCAATGA	GAAGAATGTA	TATTCTGTTG	TTTGGGGTGG	AGAGTTCTGT
276301	AGATGTCTGT	CGGGTCCPTT	TGGTCAAATG	TCAAGTTCAA	GTCCTGAATA
276351	TCTGTTTTCT	GCCTCGGTGC	TCTGTCTGAT	ACTGTCAGTG	GGGTGTTGAA
276401	GTCTCTCATT	ATTATTGTGT	GTTTATCTAA	GTCTCTTTGT	AGGTCTCTCA
276451	GAACATGGTG	CTTCTGTGTT	GGGTGCGATAT	ATATTTAGGA	TAGTTAGGTC
276501	TTCTTGTTGA	ATTGAACCTT	TTACCAATTAT	GTAGTGCCCT	TCTTTGTCTT
276551	TTTTGATTAT	TGTTGGTAAA	AAGTCTGTTT	GGTCTGAAAT	TAGAATAGTG
276601	CCCCTGCTTT	TTCTGTTTTT	CCATTTTTGT	GGCAGATTTT	TCTCATTCCT
276651	TTTACTTTGA	GCCTATGTGT	GCCATTGCAT	GTGAGATGGG	TCTTTTGAAG
276701	ACAGCATATA	GTTGGGCCCT	GCTTCTTTAT	CCAACTCGAC	ACAGTGCCTT
276751	TTAATTGTGG	CATTTGGTCT	GTTTACATTC	AAGGTTAATA	TTGATATGTG
276801	TGGACTTGAT	CTGTGCTGCA	TGTTATTAGC	TGGGGTTATT	ATATAGACTT
276851	GATTGTGTAG	TTGTTTTATA	GTGTCAACGG	TCTATGTATT	TAAGTGTGCT
276901	TTTGTGGTAG	TTGGTAACTG	TCTTTCCTTT	TCATATTTAG	CACTCCCTAA
276951	AGGACCTTTT	GTAAGGTGGG	TCTGATGGTA	ATGAATTTCC	TTAGAATTTG
277001	CTTGTCTTAA	AAGGATCTCA	GGGTTTTTTG	TTGTTGTTGT	GTTTTTGTTT
277051	TTTGTCTTAT	GAAGCTTAGT	TGGCTGGGTA	TGAAATTTCT	GATTGGAATT
277101	TTGTTTCTTT	AAAAATGCTG	GATATAGGCC	CCCATATGCT	TCTGGCTTGT
277151	AGAAATTTCTG	TTGAGAGGTC	TGCCATTAGC	CTGATGGGGT	TCCCTTCGTA

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277201 GGTGACCTGT CCCTTCTCTC TAGCTGCCTT TAGCATTTTT TCTTTCATTT
277251 TGACCTTGGA GAATCTGAGG ACTGTGTCTT GGGGATGCTC ATCTTTGTAT
277301 AGTATCTCAC AAGGGTTCTC TGCACCTCCT GATTTTGAAT ATGGCCCTCT
277351 CTAGCAAGGT GGGGAAAATT TTTATAGACA ATATCCTTAA ATATATGTTT
277401 CAAATTGCTT GCTTCTCTC CCTCTCTTTA AGAGATGCCA GTGAGTCATA
277451 GATTTGGTCT CTTTACATAA TTCTTGCTTT CTGTCCCTCT CTTTCACATA
277501 TACCAGTGAG TCATAGATTT GGTCTCTTTA CATAATCCA TATTTTGGGA
277551 GGTCATTCT TTTTATCCT TTTTCTTTA TTTTGTCTG AGTTAATTTG
277601 GAGAACCAGC ATTTGAGCTT TGAAATTTT TCCACAGCTT GGTCTATTCT
277651 GGTATTACTA TTGCAATTG TATTATGAAA TTCTGGAAGT GAGTTTTTCA
277701 GCTCTATCAG ATCAGTTTGG TCCTTCTTTA AAATGGCCAT TTCATATTTT
277751 AGTTCCTGTA TTGTTTTATT GTATTCCTTA GATTTCTTGG ATTGGGTTTT
277801 GACTTCTCTC TGAATCTCAA TGATCTTTTC TATCCATATT CTGAATTCTA
277851 CGTCTGTCAT TTCAGCCAAG TTAAGAATCA TTGCTGGGGA ACTTGTGCAG
277901 TTATTTGGAG GTAAGAAGAC ACTCTGACTT TTTGAGTTGC CAGAGTTCTT
277951 GTGCTGGTTC TTTCTCATAT TTGTGGGCTG ATGTTCTTCT AATCTTTGAA
278001 GTTGCTTTCT TGTGGATGGG TTTTGTGCTT TTATCGTCTT TGATGCCCTT
278051 GGGAGTTTGA TTGTGGTACA GGGTGGTTTC AGGCATCTGG CTTTGTTTAT
278101 GGAATAAGCT GAGCTGTGTG CTCTAACTCT AGAGGCTGGT ACCAGTGCCT
278151 GAGCTTTGTT CTCTGGACCC TTGAGGTTAG GAACCTGCTG CACTAGGGGG
278201 GTGTTGAGGT GTTCCCGGTC TGCTAGCCAC AACATGCCAA TAGTTGGTGC
278251 TGGCCAAAGA GTTCTGTTGG GGCAATGGCA GTGGGATCTG TGTTACGCG
278301 CACATGCCAT CAGCTGAGAC ATAGTCATGG GGTATACATG TGTCAGCTGG
278351 GGTGGAGCAC CATTGGGAAT GGAGTGATGG CATTCCTGCA CCCACTCGTG
278401 CTGGTGGCAG TGATGGCATG GCTGGGTGGG GTGCAAGCAG GGGTGGGGTT
278451 GCCAGCATTT GTGTGTGTGC TTGTGCTGGT GGCAGCAGGG GAGGGATTTT
278501 CAACATCTGT GCATGCATTT GTGGTGGCAG CATGGTGGGG TGCCACACA
278551 TTGGTGGAGG GGGCAGTGGG GTACGCTCAC ACCAGCAGAA GCAGTGCTAT
278601 GGTGTGTGCA CTGGCGGGGG AGGGAGGGAA GGTCTGTCTA CACATGCATG
278651 GCAGCCAAAC AATTGTAAGA AGGTCATTGG TGAGTGCGTG CTAACAAAAC
278701 GGCAAAAGGA AGCTTCAGGT GAGCTGGTGT GTTTTGGCAG GGGCAGGTCT
278751 GCTGGAGTTC TCCAACAGTC AACTGTGGCC TGCTGGTGAA AGAGCTATGA
278801 TGAGGGCCTC TGGGAAATAT CCTGTTGGG CATCCAAGGC TGCACTGCTA
278851 GCAGGCATGG TGAGGGTGGG GCCCCAGGAG AAGCCAGCAG ACACAGGAGT
278901 GCTCAGATTG GACTGGCCCC ATTCCACAGG CAAGATTGCC CTGCTCTGCC
278951 TAGGTTCAAC AGTCTCCCTA AGGTTAAAGT CTCCTAAAG AGCATGGTGA
279001 GCCTTGGGGA ATTTGGCATGT CTTGTCCCTG GCTCCACTGC AGATGTTTCT
279051 ACACCAAACC CTCTTGCTC TGCAAGGCT GGAATCTCAC CCCGTCCACC
279101 TCTCTGAACA GTTCTCCCTG CCAGCTCAAG TGTCTTTTGA GATCTTGGGG
279151 TCTCCTGCTG CTAGAATTCC AGAGTTGAT GGCAAGAGTG GGCCATTCTT
279201 CACCTATTCA ACTCACCTT TCTCAGAGTC ACTGGGGCTA GGAATGAGTC
279251 TTGGTTCTTG ACAGCCCCAC GCAGGGCTCC CAGCTTCTTC CCCTTACAGC
279301 TAAGCATCTG AGTCCCTTCT CTATCCACTC TCAATGCCTT CTCTCCAAAG
279351 ATCTGCTTGG AGTGTCCCAG TCTTCCAGT GTCCCCGTCT CTTGATGGGA
279401 TATGTTCTCT TTGGCTGTGT CTAGGCAGCC ATTTTGGCTT GGGCCCTTGT
279451 TTTTATCTC TAGCATTTCT TTTTGGTTCT GTCTTAGGAT TTAAGAAATC
279501 CTAAGATTTC TTATGAAATG TGGTCTTTT TTAGGATTTA AGAAATCCTA
279551 AGATTTCTGC TTATGTTGCC CATCTTTTGG TACATGCTAT CTACTTTATC
279601 CATTAGAGTT AGCATAATCA TAGTTGTTTT AAATTCCCAG TCTGATAATT
279651 TCAACATCCC TGCCTTGTCT TGTTCTGGTA CTTTGTCTCT TCAAAGTGTG
279701 TTTTTTACCT TTTAATATGT CTTATAATTT TTGTTTTGAT AACCACACAT
279751 GTTACACTGA GTAAAACTC TGCTGTAAAT GGGCCTTTAG TAATGTTGCA
279801 GTAAGTGTAG GGGGAGGAGA AGCATCTAC ACTCCTAGGA ATAAGTTCTC
279851 TGCTTTTAAA TGTGTCTGTG CCTCTGGCTG TGAACCTTGT AAGCCTTTCT
279901 CAGTCTCTCAG TTTCTCAGG GCAAGATGGC TAAAGTGGG TATAGTTGGG
279951 GTATTTCCCT TCTCTCATGT TGAGTGGGCT AGAGCTGGTT ATTTTCTTCT
280001 TTCCACATGG AAGGCTAGAA CTAAGTGGAG TTGGACATTT TCTTTCACCT
280051 GGGCCAGTTA GGCTCTGATT AGTAGATTAG GCTCTGGTTA ACTAATTCTT
280101 CCTAAGAGCA AGGCTTGCTA AGAAGAACAG AGCGCACTGA CATAGTTCAA
280151 AATGGTTCCCT TCTCTTTTCC CCCTACTGGA AGCATGGAGA GCTGTTTCTC
280201 CCATATTTAC TGGGATAACA TAGTCAAGCT CCTGGAGGTA TATCTCACTC
280251 AATTATGGGG ACCCTGTATA ACTGGGTTTA CCTGGAGCTT TTAACCTTCT
280301 GATTTGTCCA CACTGAGCCT CCAGGAATTC ATCAGTTACA GTTCATGTTT

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280351 TCCTACCCCA GCACTGGTCC CCGCAATGGT TTCTACTTGT GAGTTTCCTC
280401 TGGTAAGCCA TGACTCCATG GATTTGCCTG CCTGTGTCTC CAATCTTGGG
280451 GGCAGAGGTT TGCCCTGTGT CCTCACCTCT CTAATGGATC CTAAAAGAGT
280501 TGTGTATTTT TTTAAACTC TGTTGAGCCT TTTACTTATT AGGAGGGAGT
280551 GATGCCTTCT AAGTGACTTT CATGGAAAAT GAGAACTAG AAGTCCTCCA
280601 CCTTCTTCG TATCCTGTAC CTCCTATTTT GGGATTAAAA ATAGCCTCCC
280651 AAGTATATC AACTTTCAAG AAATATAAAC CAAACCCTCA ATAAACAAGT
280701 GTTAACTCTT GTTGCTTCA GTATCCTTTA CTGAGCCACT GCGTTTGCAG
280751 AGAATAGTGC TTAGTGCTAT AAAGTGGAGA GAGAAATAGA ATAGTCTTTG
280801 CCTTTGAGAG ACTGAAAGTC TATTTCAATT GAAAATATAT TTGTTCCCGA
280851 ACTCTTTGTC AAAAGGATTT GAAAATCAAG TTGCCAGTTG ATGCATATGT
280901 GTAGCACATT TTGCTGAGCA GGGCTTAACT CATTAGAGTT ATCTGAGAGA
280951 CATTTATTTA ATCCCTTTT ACATAAAATG CAATATATAG TAAGGCTAAT
281001 AACAAAGTAA TATCTATAGA AAGTGAAGAT CAAAGGGGAG GTGAGGAAGT
281051 CAGTGTGCTG ACCATAGTTG TTGTGTGAAT ATATAGTTTG AGCTTCCAGG
281101 AAGCCAGGTC AAAAAGGGAA AACATGATAC AATTCCTAGT TCTCATTATC
281151 AAGAATGCAA ATGTGCTGCC AGTTCCTCAG GGAAGACAGA GCTTATCATG
281201 TGATGTTTTA TATAGAGCAT ATTGAGCACA GCAATATCTT CAATAGTTCT
281251 GCATGAAGTC CAGTGTGAAT TTTGTAAAGG CGGTTTCTTT GGTGACAAAA
281301 AGCTGTCTTA TAATGAAGTA AACTATGTAG CCTTCCAAGG GTCTAACGTT
281351 ATTCAGTGGT AAAATTTCAA GTACCTAGAG AATTTATAAT CTGTTGGTTT
281401 TAATTAAAAA TAAATGTTTG CTCTCACTT TTTAAATTA AAAATATGTG
281451 ACACCTGAAG AAGGAAAAAT AACTGAAGGC AGATTTTGAT TTAAATCTCT
281501 AAGGGAATAA ATGACAGGAA TGCCCTTGGC TGATTTGATG AGTATGCTTC
281551 TCTACTGTCA TGCATTAATT AACTGTGTTT TGACTTTCTA TTTTATGGT
281601 CACCTCTTAA TCAAGGAGTG TTAAAGCACA ATTACTATTA TTGATATTCT
281651 AAGAAAGGCA AGATGCAGAA TAGCATCCAT TAGTAACCTA ACATGGAGCC
281701 TCATCAGTCT TTAGTAAGGG GTTCTGCTGG GTTGGTTTGC CTATTCCTTA
281751 GGCAGTAGAA TCTTACCCAT AATAGTCAAG AAAGTCTTAA TACAATAAAA
281801 CAGTTCCTTA CTCAGAATTG TCTAAAGCAG CTCAGGATT TGTTGTGTGT
281851 AATCAACTTT AACTCTGGC ATGAGAATAA TTTATGAATG CAAAAATAGA
281901 TAAAAACAAA TTCTGATGGC TAAGTGAATG GGGGAGAGG ACAAGAGTAA
281951 GTGAACACAA TAAATTTACA CCCCTGTCTT TAAGAATTAG GAATTACCCT
282001 CTCCTGTAT GACTTCTCCC ATCTGGTCTA CATTTTTCTC TTCCTTATAT
282051 GGTACACATT TTGTTGATGG TCTTCTGCAT GTCCCATCT ACTCTGAAC
282101 AGGATAATCT ATTCTTTGTA ACAGAGTCC TTTATAATT GCAAAAGTTT
282151 ATACCTGCAC CTCAGGATTC TCAAGACTCA ATTTAAGTGT AATTGCCATT
282201 GGATGATTTC TATAACCTGT GCATCATCTA ACGCAGCTGT CCCTGACTTT
282251 TTTGACACCA GGAAGTGGT TTGTGGAAGA CAATTTTCTC AAGGATTGGG
282301 TGGGGGTAGG GTGGGGGATG GTTTCAGGAT GAAATTGTTC TATCTCAGAC
282351 CACCAGGTAT TAGTTAGAAT CTCATAAGGA GCACGCAACC TAGATCCCTT
282401 GCATATGCAG TTCACCACAG AGTTTGTGTT CCTATGAGAA TCTAATGCTG
282451 CCACTGCTTT GACAGGAGG AGAGCTCAGG TGGAATGCT CTCTCACCTG
282501 CTGCTCACCT CCTGCTGTGT GGCCCGGTTT CTAACAGGCC ATGGACTGGT
282551 ACTGGCCCGC GGCCTAAGGG TTGGGGACCC CTGCTCGAAC GCACTAGGTG
282601 AAATGCTTGG TGTTACTTAA TCCCCCAGA ATGCTTTCTG CTGTTTGTGT
282651 GGCCTGTATC ACTCTCTAAC TTTGGGATTC TTGTTGTCTG TGTAAGTGT
282701 CTAAGTCTG TGCTCTGGG AAAGGCATTT TAAATTCAT TTTTCACATA
282751 CTCTTCTCTA ATTGAATCTT TGGGGGAAGA AACAAAGCAA CATAAGCTGG
282801 GCTCTGGCAT TATTATTGG ATTGTAAAA AAAGTAATCA TTGGCATAGA
282851 GTCATTTCTT AGTTGAAATC CAGGGTAAAA TGGATCTTCT ACTGTCAGAA
282901 GCATATATGT CTTAAACAAA CCTCCTCTCC TCCTACTTGC AGTAGCTCAG
282951 GAAGATGTTC TCATTAAACA CAAGTCCCAA ACAGTGATGT TTCATTACGT
283001 CTCAAAATTA CACCAAGATT CTTTATGAAC TGGAACATCT GGGTACAAGA
283051 AAAATGCTTT CTATTTTTTT TTTTGACAAT ATTATCTGCC GAAGTGAAG
283101 AATGGATGTT GAGTAAATTA AGGAAGTGGG TCTTTTGCCA GACAGCTGA
283151 AGAATTCTAT AAATAAACT ACCCTTTTGT TCAGAAATAA GAGGGTAAAA
283201 CATTTTATTT TAAAAGGCAC TTGAGCTCAG GAGCTTGAGA TCAACCTAGA
283251 CAGCATAGCA AGAGTCATTC TTTACTAAAA TTAATAAGAC AAATTAATCA
283301 AGCTTGGTGG CACATGCCTG TAGTCCAGC TACTCAGGAG GCTGAGGCAG
283351 GAGGATCGGT TGAGCTTGAG AGAGTGAAGC TGAGTAAGC TATGATCATG
283401 CCACTGCACT CCAGCCTGGG TGAGAGAATG AGACCATGTT TAAAAAATAA
283451 AAAAAAAAAA AAAAAAAAAA AAAAAACAA CCTGTAGATA TGATTACATG

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283501 ATTCCTTAT TGCATTTTTTC TATCGAAAAA AAAGACACAT GATTTAGACA
283551 GGATTCATTG GTTCACTGCC GATTCCTCAG CACAAAGTTC AGTGCTCAAT
283601 AAATAGCTGT TGGGTGAGTG AATAGATGAA TGAATGAAAT ATGAGGTCAT
283651 AAAAAGTATT TATTCTCTAT TGTACCCTTG AGTCTCCAAA AGTTTGCTCA
283701 CTAATTTATG ATAATTCAGA TATTTGATTA TCCTAAATGG ATTGTGATTA
283751 GGCTTAAGAA AAATGGGTTC TAGGGACAGT TTTCAGGTGC CCATAGGTTT
283801 GTTTCTCTG GACAAGATGC AAGGCTCCAG TGAGGAACTG GGTTTTAATG
283851 TGATGATTAA TACGAGGTGA TTACAGGAGA TACCTCATAG ACCTCAAAGA
283901 CTAATTTTCA GGATTAGATG CGAGATATTT TGTAGACAAC TTCCTGATG
283951 AACGACTTAG CTATTATCTT CTAAAGATTT TTATTTTAAA AATCCCTTGC
284001 ATCTCAATTT TTCTTCTTTG FTTCTTACTT TTAATTTATA CATGACAGAT
284051 ATACTTTCAA ACTTTAAAGT GAAAAGCGAT GTCAGAGGTG CTGATATTCA
284101 CACCTTTTGA GTGTCAGCTG CAGGGAGATG TGTTTCTTGG CTGCTTCTAA
284151 AACATCTGCA GAAAAAAAT ACAGTGTGTA TCTGCACAGA AGAATGACAA
284201 ATGCAGGAAA AGACAGGAGT CACACAGCAA CATTAAATGCA GCACCTTAGG
284251 AAGTTTGCAT CACCCAGACT GTGCCCTAAA ATGAAGGTGT TTCATTTTTT
284301 AAGCTGTGTG TGTCAATACC CTTGACGGGA TGTCTGAAAA TATGCAGCCT
284351 AGTAATTGCT TCTAGCTCCA CAGCATGAGC ATCATAGACC TCCTTCCTAA
284401 GCCATGGTTA GGAGAGAAGG AAATATCTAT TGACCCTGAT AGCTATTTTC
284451 CCCTCTCATA ACTCCCCTGT GGATTAGTGG GGTTCCTGGG ATCCCTCATC
284501 CTTTGCTTAA GTAAATATGT ACAGAATTAT ATCAGCTTTA GGAGATTTAG
284551 AAGCCCTGCA CTTTTTTTCA AAAAGTTTTT AAACCGATGC ATAATATTTA
284601 TACATATTTA TGGGATACAT GTGATATTTT GTTACCTGCA TTGAGTGTGT
284651 AATAAGTCAG GGTATTTAGG ATATCCATGA CCTAGAGCAT TTATCATTTT
284701 TATGTGTTGG GAACATTTCA AGTCCTCTCT TGTAGCTATT TTGAAATATA
284751 CAATACATTG TGGTTAACTA TAGTCACCCT ACTCTGCTGT CAAACATCAG
284801 AACTTACTCC TTCTATCTAC CTGTATATTT GTATCCATTA ACCAACCTTT
284851 GTTCACCCCC CTCACCCCC CACAAGAAAG CCCAAGACTT TTAAATCACT
284901 TCTGTGACTT ACTAGTCTCT TAGCTTTGGG CAAATTGCCT AAGTTTTCTG
284951 GGCTTCCCTT TCCTGCTCCA TTAAATGTAA AAGATCATTA ATGCTGCCTA
285001 CTCTCATTGG TTTATTATGA ACCTTGAATT AAATGCAACA AAGCAAATAG
285051 AAGCACCTTG TTGTATTCTG TGGTGTGGC TTAATATTGC TGAGTGAATA
285101 ATGTTAGAAA CATGGATGAT TGTGGAAGAG CAGAAGTGT ACAGAGTGTG
285151 CTAAGGCAGC TGACGTTTGC CGCTTGAAG TGAGACTTGA GAGCAGCACT
285201 GAAAGGAATA TGTTGAAGA GTATAGTTCT TGCAAATATT TGTTGTATGC
285251 AAATCAGTAA AATCTAGTGA TAAACATCCC AGAGAAGATA AAGATTTAGC
285301 AAAAAATTGA AACCACTGTC TGTTGTTTTA GAGAGCTGCT GAAAAATTCA
285351 ATGGAAGCCC ACAAAGCTA GAGATATTTG AATTTATTTT TGATTTGAAA
285401 TAACTGGTTG GGTAACGTAT CTTAGGAAAA TGTTAGAACC TGCCATAGTT
285451 ACCAGGTATA TATAGAAAAG CTCGGAAGGC AACCAGGCCA CAGTCACCCA
285501 AGAAGACATG GGTTTTGTCC ATAAATTTG AATTGTCCAA GAGAGGGCAT
285551 GTAAAGCCAA AATGGGGAAG GGTGGAGTTG GATGAGGATG TGTCAATTGCC
285601 CTGAGATGTT AGGAGCACGG TTCTTTAAGT CAGGGAGACT TGGACTCCGA
285651 TTTTCTTGC CACTAAACAA TTTTATGATC TTGGGCAGGT TGCTTTACCT
285701 CTTCAAGGTT TAATTTAGTC ATCTATAAAA TGTGGATAAC AATGCCTGCT
285751 TTCCAGGGTT GAAATAATTA GATAACACGT TAAGTGATTA GCATAATGGA
285801 CTCATGGAAG GCCATGACCT TGGGGCAATG GGGGAGTGAG GGTGGGATAA
285851 TCATTGTAGA CATGAGCCCA TTTTACAGAT GAAACAAGTA TCTTCTAAGC
285901 TTCAACATAT GTACAGAGAA GACCTAGAAT CCAAATTTCC TGAGAACTAG
285951 TCCAGGCAAT TTATGTATAG TGTGGGTACC AGGGTGAGTG TGGGCTCCAG
286001 GGCTCCTTCC TCTGAGGAAT CTATTCATAG CCTGAATCTG TTTCTTTAGA
286051 AGACACTTAA TATTTATTGA ATGGTCAGTC AACTCAGCCT CATAATTGTA
286101 CCTTCTACAT CTGTAACAAA CAGCACAAAC TCAAGTTGAT CCCTACTAAT
286151 CTAGAATAGG GCCAAGGGTG ATTCAGCCAA GTTTCAGAAC CCCTAAGATG
286201 CTCATGAGCA CCTGTTTTCAG TAATAGTTCA AATAGGAAGG CTAATAATTA
286251 GAGGTAAGGG AAGTAGACAA AAGTTTTTTT AAAAAGTTTT TTTTAGTTCA
286301 GGGGTACATG TGCAGCTTTG TTATACAGGT AAACCTCGTG CGGGGGGTTT
286351 GTTGTGTAGA TTATTTTATC ACCCCAGGTA CTAAGCCTAC TACCCAATAA
286401 TAGTTATTTT TTCCACTCCT CTTCCTCCTC CCACCTCCA CCTTCTAGTA
286451 GGCCCCAGCG TCTGTTGTTC CCCTCTTTGG GTCCATGTGT TCTCATCAT
286501 TAGCTTCCAC TTACAAGTGA GAACATGTGA CATTGGGTTT TCTATTACTG
286551 TGTTAGTTCA CTAAGGATTA TGGCCTCCAG CTCCATCTAT ATTGCTGCAA
286601 AGGACATGAT CTCACTTTTT ACAGCTGCAT AGTATTCCAT GGTGTATATG

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286651 TACCACATTT TCTTTATCCA TTCTACCATT GATCAGCATT GAGGTTGATT
 286701 CCATGTCTGC TATTGTAAAT GGTGCTGCAG TGAATATACA CATGCATGTA
 286751 TCTTTATGAT AGAATGATTT ATATTCCTTT GGTACATAC CCAGTAATGG
 286801 TATCACTGGG TCGAATGGTA GTTCTATTTT AGCTTTTTGA GGAATCTCCA
 286851 CACTGCTTTC CACAATGGTT AAACCTAATTT ACCTCCCACC AGCAGTGTGT
 286901 AAGTGTCTC TTTTCTCTGC AACCTCACCA GGATCTGTTA TTTTTGACT
 286951 TTATAATCAC AGCCATTCTG ACTGGTGTGA GATGCTATCT CATGATGGTT
 287001 TTGATTTGCA TTTCTCTAAT GATCCATGAT CTTGAGTTTT TTTTCATATG
 287051 TTTGTTGGCC ACACGTATAT CTTCTTCTGA AAAGTAAGAC ATAGGAAGTT
 287101 TTCATATGT TATAGACAGA GCAACACATC TGAAAATGTT CATATTACCA
 287151 TGTCTCCATG CAAAATTTTG CTGTTTTAAA CCAACACAAA CAAAACAATC
 287201 TTAGGAATTT TCAAGAAGGG GACTTTTACAA CAAACACTGC TTTTACAACA
 287251 GTAGCATTTT AGCGCAAAGT TGGGAATAACA GTTTTGCCCC ACAGGTTTAC
 287301 ATATGAACCA AGTAGCATTT CAACATTGTG CGTTTTCCCTA ACAATAAATG
 287351 AATTGGCAAT TTTTAAACT CATTTAAAG GTTTTCAAGT TAAGGTATAT
 287401 TTACTTTTCA GTACAATATA TTGGGAAATA GATGTCAGCT GCCAACTCAA
 287451 TAATGCTGGC ATTTATTCTT GTAATGACAT CTAATTCTCT TTGTTTAACT
 287501 ATACCCAGTA TTCTGATTGG TAATCTCCAG ATTCTTCTCC AGAAATATCT
 287551 CATTGCTTTC TTCCAATTTA TCCATGGAGA AAAAGAGTGT GTGTGTGTGT
 287601 GTGTGTGTGT CTTGCATTAA GGAAGTTGTA GAATACTGTA ACCACAATTT
 287651 TGCACCACGT TACTGTTTAT CTTCTGTGCT GTTACAGCAT CGACAGCAGG
 287701 AGCTGGAGGT GGAAACTCAT GGAACAACCA TCAAGAATAC TGTGTTCTCT
 287751 TGTGCTCATT TCTGATGTT CACACAAGGA CCAGGTTGTT CCACCTGTAG
 287801 CTGATTTAAT ATCAAATTGC ACAACAAATC TTTTGAGAAA ATCCTCTATG
 287851 CTTAAGAATG TTACATATTG AAAAGGAATC CTACCCAGCC ATTCTCAACT
 287901 TGTCATTAC CATGACATTC ACAGAACTG TAGGATAAGT CTTTTTCTCT
 287951 TCCAGCTTTC CAATCTCTCT TTAGCACTTC CTATTGGCAG AGCCTACCTA
 288001 GTAGGAAGCA GCTGGAAAGC TATAATAGGG TTGGCAGAGC CTTGGGCACA
 288051 ACATCACAAG GTGGCATACA GAAGAGTGGG CTTGGAGCTG AGATAATAGC
 288101 TGAAAACTG GCACAACCTG CTGCCCACC ACACACCAA AACATTCTTG
 288151 GAGCATATCA TGCTTCTGTG TTTCTTGCTT CACCATGAAA CTTGAGCAAT
 288201 TCCTTCAGCA TCATAGGTGG AAAACAGCCT TGACTTCAGT TGTCTGGGA
 288251 CAAGCCTTTC TAAGCTCCCA TACTCATGTT TTTAAAATAT ATTTTATTAC
 288301 ATTATTCACT CATTATTCAA TGCCAAATAT AGCAGACAAA CAAGCTCAA
 288351 GTTAAATAGT TTAATAAGCA ACAACAAAT AACTTATAAA TTATCTTAAG
 288401 GGATGGAAAT TACTGAGGAG CTTATTATAT TTTATTTTAC TTCTTTTATA
 288451 TTGTACATAT TTAAGGTATA CAACATGATG TTTTGATACA TGTAACCTGA
 288501 TATACACATA CGTAGTGAAG TAATTACTGT AGTCAAGCAA ATTAACATAT
 288551 CCATCATCTC ATATAGTTTC TTTGTGTGTA TGTAATAAAA GTACCTAAAA
 288601 TATACTATCT TGGCAAATTA CCAGTATACA ATATTTCTGA CTCTAGTCTT
 288651 CATGTTGTAT ATTACATCTT TAGACTATTC ATCCTACCTG CAACTGTGTA
 288701 TGCTTTGACT TACATCTTCC CATTTAATCC CTCCCCCAA CAGCCACCAT
 288751 TCTATTCTCT GTTTCTATGT GCTGTATGCA ATCTGTTTTT TTTTTTTAGA
 288801 TTCCGATCAT GCAGTATTTT TCTTTCTGTG TCTGGCTTAT TTCACTTAGC
 288851 ACAATGTCCT CTAAGTTCAT CCACGCTGTC ACAAGTGGCA GGATCTCCTC
 288901 TTTTTAAAGC TGAATAATAT TCCTGTGTGT GTGTGTGTGT GTGTGTGTGT
 288951 GTGTATTCACT CCATCAGTAA ACACAGGTTG TTTCTATATC TTGCCATGCT
 289001 TCTTTTTTTT TTTTCTTCAA CTTTAAAGTT CCGGGGTACA TGTGCAGGAT
 289051 GTGCAGGTTT GTTACACAGG TAAACATGTG CCATGGTGGT TTGCTGCACA
 289101 GATCATCCCA TCATCCAGGT ATTAAGCCCA GCATCCATTA GTTATTTTTC
 289151 CTGATGCTAT CCCTCCCCCA CCAACCCCG ACAGGCCCA GTGTGTGTTG
 289201 TTCCACCCCT GTGTCCATGT ATTCTCATTA TTCGGCTTCC ACTTGTAAGT
 289251 GAGAACATGT GGTGTTTGGT TTTCTGTTCC TGTGTTAGTT TGCTGAGGAT
 289301 AATAGCTTCC AACTCCATTC ATATCCCTGC AAAGGACATG ATTTCATTCC
 289351 TTCTTATGGC TGCATAGTAT TCCATGGTGT ATATTTACCA CATTTTCTTT
 289401 ATCCAGTCTG TTATTGATGG TATGCTTTTA TTTTTTAGT TATCAGTACA
 289451 AAGGCATAAA TATTTTATG GCTTTCTATA TATGGATATA CAAAGAAAAT
 289501 TCTCAAAGG CTATTTGTTT TGTTTCATAC ACCAGGTAGA CAGACAGTAG
 289551 TTCTGTGGTT ACTATAAACA TATGATTCAA ACAGCCTAAT TTTCTGAAAA
 289601 AGGAAAAAAA CATTATGCCT ATCTTATTTT CACTTAAAC AGAACTTTTT
 289651 ATTTCAAATA AAAGCATGAA TCAAGCATAA AACAACTTAA TTGCTAATCA
 289701 CTGTATTTTA AAATTATCCT TAATTAGAGA AAAATCTAAA GTGAATACTG
 289751 CCATATTAGA AACTTTTCTT GTGTGTCCTT AATTGTATC TGTCACTCAT

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289801	AAAGCTAACC	CTGCATGCCT	GTTCCCCCTCC	CCAGCTTTAG	AGAAACACAC
289851	AGTTTTACTC	ACATTGAACC	TATTTCTCGA	ATGCAAGTGC	CATCATCCTA
289901	GGCATGACAC	AGAAGGTACA	TTTAACAGCT	TCACTGGGTG	ACAAAGTTCT
289951	TAAGACCTGT	GCTATTCTGA	GTGTTGTCCT	TTTGATTATA	TTTTGTAAAT
290001	GAGAATATAT	GCATTAACATA	GTTTTCTTAA	GGCTCCAAGC	CTGAGCTCCT
290051	GCGTGTATTT	TGATTATGTG	TGTTTTGTCT	TTTTTGTATT	TCTTTGTTTT
290101	TGCTTTTTTT	GTGTATACTT	TAAAACAGT	ATCTTTATGT	CATCCTGTCC
290151	TTAGATGGAA	ACTGAGAGAG	GGAAAACCTA	GGCATGCCAG	CATCCAACAC
290201	TGTCTGGCTT	AGATCAGAGA	GGAAGAAAAT	ATTCTCTCTA	ACTTCAGCTT
290251	GCGAGTTTTT	TGAAGTTAGC	ATTTGTACTT	TCCTTGATTT	GCAAAAACCTG
290301	ATGGTAAAGA	AACTATTACA	CAGGAAGAAT	TAAATATAAA	AGCACCTGGT
290351	TCCAAGCAT	ATAGGAACAA	TCCTAACTTT	CTGTGGAATG	AACACTTCAA
290401	AACTATTTT	AATGGAACAT	GGAGAGTTTA	TAGAGGAGCT	TAAAAATGGC
290451	TTAAAAATTT	AAATGAAAGT	TGAGATGCTT	GCAAGCTTGG	ACTCAAACATA
290501	TTTTAATGCT	GGGCCTTTAG	GCAATAATTT	CCTTTTTGT	CATCTCATCC
290551	AATATAGAAA	ATAATGGGGT	GAGGCTTCCA	TCCTACCAGC	TGCAGTTTGT
290601	GGGACCCCTC	AGGACTGAAG	CTAAGGCAAG	CAATTGCCAC	TTAAACCTAG
290651	GACAGTGTCA	GCAGCACCAG	ATATTATGTG	AATCAAGGAA	ATGTTGAAGG
290701	ACTCTGTGAC	AGAGCTTTAG	AGATGAAACG	ATAAAAATTT	GACCTGATTC
290751	CTCAATAAGG	GTTCCTGCCA	GAGTGAAAAA	CTAAGCATTG	GTATGAGTGC
290801	AGCAGCTGTT	TGGTCTGGT	GCTGGTTTCA	GCACAGGTTG	CAACTGATGG
290851	GTGAAGCAGT	AGTGATACAC	TGCTCCCACT	CATTGCTTTC	ATCCCCCTGG
290901	TACATTTCCA	GGAGNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
290951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
291001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
291051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNAGA	AAGAAATGCA	GAATCTTAGG
291101	CCCTACTGCA	GACCTCATTT	TTAAACAAGT	TCCCCAGATG	AGAAAATCAT
291151	ATCCAAACTG	TCCGTCCTCC	TCAGTATGTC	TGACTTGCTC	CACTCTGCAG
291201	ATTTCCATGT	ATTCCTCAACA	GTCTGCTTCC	AACTTAAGCC	CATTTCTCTG
291251	TTTCTTCAGA	TTCTTCACTG	TCCTTCAGTC	TAATTTTTCC	TCTATCTCTT
291301	CTCCCATTTAG	ATAAAATACT	AAGGTAGAAT	GATGGGAAAG	AAGGAGGAA
291351	GAGGGGAAAG	AGGGAAGTAA	GGAAAGAAAA	ATTGAAGGAA	GGTGAAGAGG
291401	AAGAAGAGGT	GGGAAGGGAG	ATAGGGAAGG	AGGGAGAAAA	ACCTACTTCA
291451	GTTGTGCCAT	AGTATCATTG	GCGTCTTGA	GCTCTATTTT	AATCCCAAAC
291501	AAATACATAA	ACACAATAT	ATCCCATTTA	TTATTTCCAT	TTTAAATGA
291551	AGCAGTTACT	TTCATACAGA	AGAGAATGTT	AATTAGTGTG	ATAATTTGGA
291601	GAGCAATTTG	GCAACGTCGT	TTCAAATTTT	TTAAGTGAAA	ATTCCTTTTA
291651	ATTCAGCAA	TTTCAGAATT	TATGCTATAT	AAATACTTGT	ATAAATGCAC
291701	AAAAACATAT	ATCAAAGGTA	TATACTTACA	GAATTTTTTT	AATAACAAAA
291751	AGCTATAAAT	AGCCTAAAAG	TATCAATAAG	AGTTGTTTTG	GAAAGTCAAC
291801	ATATATCTCT	GCAAATGCAT	ACTGTCCTGG	CATTAAAAAG	AAGTGAGAAA
291851	GATCTGCACA	CGCTTGTGTG	GTGAGCTCTC	TAGAGTATAT	TGTTAACCGA
291901	GAAAAGGAAG	ATGCAGAAC	ATAGGCATAT	ATGATCTCAT	CCATATGTCA
291951	TGTTTGTAGT	TGCGTGTGTA	CATGTGTATA	TATATATATA	TATATTTATA
292001	AAACAGTTGA	TAATTTTATA	TATTTATATC	CAATGGCATA	TTCTATAGCC
292051	ATTACAAAAA	CTATTTTGGT	AGAAATTTGA	ATAACTTAGG	ACATTTCTGG
292101	TGATGTAATG	CTAATTGAAC	TAATGTAAGC	AGGACATTAA	TATCATTTTT
292151	TATTTTTTGAC	CCACCTTTCT	TGAGCATTTT	CCAATATGAT	TAAATATTCC
292201	AAAAACATCA	TTAATTTCTC	TATAATATAA	TATTGTACTC	TTGGGTTTTT
292251	GGGTGTTTTT	CAGTTTTTCA	ACTCATATAT	AATGTTGACA	TAAACTTTTT
292301	TTTACCTAAT	GCTATTTTCA	AATTTTCAGC	TAAAGATAAA	ATCTTGTAAT
292351	TACTAGTTCA	TAGATGTGAC	CTTTTATTAT	AATTACTAGT	TCACAGGATT
292401	CTTACTTATT	GCCAAATTGA	TTTCCATACT	CCACAAAGAT	TTTTAATATA
292451	ATCAATTTTT	TCTAATGTGA	CTTGTTATTA	AAAGTCATTT	ATTTAACAAA
292501	CTTTTACATT	TGAAAGAAAA	TACTTATTTA	TGCCCTACTG	GTGCTAAGCT
292551	CCCTTGGCAC	TCACTAGGCA	CATCATTACA	AATAAGCATG	ATCTCTACTT
292601	TACTACTCAA	AGTGTGATAT	TGGGCTGGTA	TGGGAAAAAC	AGACATTGAA
292651	ACACACAATT	ACACTGTGAT	GCAGTTCAGG	CTGTCATAGA	ATTATGCCCA
292701	GAGTGCCATA	GAGACTCAGC	ATGCTTATAG	TATGATTGTA	ATAATTAACC
292751	AAAAAGGGAC	TACTTTGCTT	TGAAATATTC	AAATACTCTC	CCACCTTCCA
292801	ACTAGAGGTG	TGGTAAGTTG	GTGGTGGGTC	TGTAGGGGAA	ATATCTTCTC
292851	TTCTTACTCC	TATCAGAGTT	TACCTGACTC	TGACAAGGAA	GTAGAAAAAG
292901	AACCTGCCCT	AATTTTTGGT	GTCAAAGTCT	AGCACCATTT	ATATCTACCT

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292951 TTCTTTCACA CATGCAAAAA ATAAATCTCC TTCAAGGACA CATACATTCA
293001 TCCTGAATCT ATAAGTGAAC CTTACTTTCT AATACACTAT TCTTTATGGT
293051 GGCTTAGAAT ACAAAGATGG TTATCTAGCC TCTGAAAACA TTTTNTTTTA
293101 ATTTTCATAA AACAAGTCTC CAAGTAAAT AAACAATGCA GCCTCCAGAA
293151 ACAGCACTTT CTATTTTTTC AATATTTCTT GTCAAGAAAT TCTAAACTAA
293201 AATATTCTAA TTAATCTGAA CTGTATGAAA TTGCCCATAT TTGACTTGTT
293251 TTTAACCTGT AAAAATGGCA ATTCCATATA GCTCAACATA AAACCTGTGA
293301 TTTAATTCTT TTTTTTCTTC CCCAGGATTG CCCATATGTT AGATCTTATC
293351 AAAACTGTTT TACAACAAAT AATTTCTGCA GTACCTTCCC CAGATACAAA
293401 GAAAAATAAA GAAAAATTAA ATTATTAAAC CAGGTTTATG CTTGGTTGTC
293451 ACTTCTTAGT CAGATCATCA GTAAAATAAA ATTAGAATGT AGTAGTACCC
293501 AAATTAAAGA GAAAATGGTT TCCTGCTTAG TTAAGCAAAG AAAATTCTAG
293551 CCAATGCAGA ATTAGAAGTC AGGAGTAAAT GTGGACAAGG AGATCCAGCA
293601 AACTACCAAA CAAACTGTGA TTCATAATCT CCATCTCATG CAAGGCTGGT
293651 GTTCTCCTCT TAAGACATAG AACAGTAGAC TAATTAATAC TAACAATGTG
293701 TTAAAAATCA AAACATTAT TAATGCAAAT CTGTCCTCCA GAGATGGGGA
293751 AGAGGAGGGA GAGAGAGAGA GAGAGAGAAG GAAAGACAGC TGTAGCCTGA
293801 AATTGATGGT AACTCCTTCT ACAGTACCTT TACCAGATTT AAACCATAT
293851 TGTAAAAAAG AAAGCTTAGT ATTTAGTAG AGGATGCTGT ATGGGAAACA
293901 ATGCCTCCCA GCTTAGAAAG CTGGCCTGAT CCTATAAGAA TGTCAGAATT
293951 CTATGTCAAT GCTAGTTTCT AAGGCAATCC CATTTACAAT AGCGAGACAA
294001 AAAATAAAAT ACCTGGGAAT ATATCTAACA GAGGAGGTGA AATATCTCTA
294051 CAGAGAGAAC TACAAAACAC TGCTAAGAAA TCATAGATGA CACAAACAAA
294101 TACAAAAACA TTCCATATTC ATGAATTGGG AGAATCAATA TTGTTAAAAAT
294151 GGCAATACTA CCCAAAGCAA TCTACAGATT CAATGCTATT GCTATCAAAT
294201 GACCAACAGA ATTTTTTCAC AAAATTAGGA AAAAATCTAT ATAAAAATCA
294251 CATTGAACTA AAAAAGAGCC CAAATAGCCA AAGCAATCCT AAGCAAAAAG
294301 AACAAAGCTG GAGGCATCAC ATTACCCGGC TTCAAATCTG ACTATAAGGC
294351 TACAGTAAC AAAACAGCAT GATACTGGTA CAAAAACAGA CACATAGACC
294401 AATGGAACAG AATAGAGAAC CCAGAAATAA GCCTCACACC TACAGCTGTC
294451 TAATTTTGA CAAAGTCTTC CAAAAATAAG CAATGGGGAA AGGACTCCCT
294501 ATTCAATAAA TGGTGTGGG ATAGCTGGCT AGCCATAGGC AGAAGAATAA
294551 AACAGGATCC CTACCTTTTA CCATATATAA AAATTAAC TAAGATGGATT
294601 AAAGATTAA ATGTAAGACC TCAAACTGTA AGAATTCCTAG AAGAAAACCT
294651 AGGAAACACC ATCTGGACA TCAGCCTTGG GAAATAATAT ATGAATAAGT
294701 TCTCAAAAGC AATTCCAACA CAAGCAAAA CTGGACAAGT GGAACCTAAT
294751 TAAATGAAAA AGCTTCTGCA CAGCCAAAGA AACTATCAAC AGAGTAAACA
294801 GACAACCTAC AGAATGGGAG AAAATATTTG CAACTATGT AATAAAGGTC
294851 TAGTATCCAG AATCTTTAAG GAGCTTAAAT AATTAAGCAA AAAACCAAT
294901 AACCCTATTT AAAAAATGG CAAGACATGG ACACCTCTGA AAAGAAGACA
294951 TACAAGTGGC CAAGAAACAT GAAAACATGC TCAACATCAC TAAATATCAG
295001 AGAAATGGAA ATCAAAACCA CAATGAGATA CCATCTCACA TCAGTCAGAA
295051 TGGCTATTAT CAAAAATCA AAAAAACA CAATGAGTATG AGGCTGCAGA
295101 GAAAAGCTAA GGTTTATACA CTGTTGGTGG GAATGTAAAT TAGTTCAGCC
295151 ACTGTGGAAA GCAGCTTGA GATTCTTAA AGAATTTAAA ACAGGAATAC
295201 CATTGTGACCT AGCAATCCCA TTACTGAGTA TATATCTAAA AGAAAACAAA
295251 GTGTTCAACC AAAAAGACAC ATGCACATGT ATGTTTCATCG CAGCACTATT
295301 CACAATAGCA AAGACATGGA ATCAACCTAG GTGCTCATCA GTGGGGGACT
295351 GGATAAAGAA AATGTGGTAA ATATACACCA TGGAATATGC TGCAGCCATA
295401 AAAAAGAATG TAATCATGTC CTTTGCAGCA ACATGGATGC AGCTGGAGAC
295451 CATTATTCTA AGCAAATTAT TGTAGGAACA GAAACCAGAT ACCACATGTT
295501 GTCATTATA GGCAATGAAG ACCACTAGAG GAGGGAGGAA GAGAAGGGGA
295551 AAGTGTGAA AAAGTGTGA GTACTATGCT TGCTATCTGG GTGATCGGGC
295601 CATTATATC CCAAACCTCA GCATCACACA ATATACAGTA TACCATGTA
295651 ACAAACCTGC ACATGTATGC ATGCCCCCAA ATCTAAAATA AAGTTGCAAT
295701 TATATTTTTA AAAAGCTAGT TCATAGTTGT AACTACTTTC TAGAGCTTG
295751 CTACTATAAA TGTAATCACT GCTCAACATC ACTAATCATC AGAGAAATGC
295801 AAACCAGAGC CTGTGTTTCT CGAACTCTAA TGTGTATATG AAGAACTTGG
295851 GGTCTCATTA AATGCAGATT GTGATTAGTA GGTCTGAGGA GGGGTGAGAG
295901 ATTCTGCATG TCTAAGCAGC TCACATGTGA TGCAATGCTG CTGGTGGGAT
295951 CACGTTTCCT TGAGGCTTCA GCAGAGCATC CTTGTGATGG CCTTGGCTCC
296001 TCTTTTCTAA ATTGTCTAGT TGACCCTGTG GGTACATAC TGAGCACTGA
296051 TGAAGAGGCC CCCGCTCCCC TTCATTGTCC TTGCTCTCTC CTTGTTTGAA

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296101 TCTTTCCTTC TGTAATATGG GATTAACAAA CCCATGTAGA GAGTCCACTG
296151 AATGGCAGAA CCTTAGACTT TCCAGTTAGA GGAACTTTG GAGATTATAT
296201 GATCTAAGTT GTTCCCCTCT CCCCTGCATC ACATCTTATG TCTGAAAGCC
296251 CATGCCTGAG ATCCTACTCA CTGAGTGTGC AGTTGTATT CTCTCTCAT
296301 TCCATCAGAC CTAAGAAAGC TTGGCAGAAT AAGGGCCTCT TGCAAATGTT
296351 TTCAAATACG TGAAGTAGC TAGGACAAAC AAACAAACCA TTGCTCAAAA
296401 ATCACTCAGC AAACCCACC TTAACGAGGA ATTTCTCTT TTGGCTTCAG
296451 AAAGCAATTA AAAAATCAG CATTTCTAGG CAAAAGCTT TAGCAGTTCC
296501 CCTCTGTTC TTTCTACCA CAGCAGGTGC TAAAGCACAG CTCAGTCTTG
296551 AATCATCCCT TCTGTCAAGA GCAGGTGTCA GCCTCAATTA TTGTTTGC
296601 AATTCATTTT AATCATTTAA TGCAATTTCT GTAAATGAG GTATCGATT
296651 CCCAATCTCA GCTGTTTTTC CTGAAGCCTA TACTACCTTG GCCTCTCTGG
296701 TCTCTTCTA TCTATCTCCA TTCTACCTGT CTCCTTCCCC CATCTTCCTC
296751 TCTTCTGGA ATGCATGTCA CATTTCCGGC CAGTGTCTA TAATAAACCC
296801 ATTTGTAGTT GCCAAAGGAG AGGCATAATA AAGGCATTGT ATGAATATGT
296851 TTGAATGAGA AATTCGTGAA AATCAATTTT TATTTATGGT GAAACACTTA
296901 ACTTGATAG AATATGATAT AAATCAAATG TAACTATGCC TCTGGAGGCA
296951 CTATGAAAAA GGGAGTGTTC TAGTTTCATG AATTTGCTTT TGTTCGTGT
297001 ATATTGCTGT AGCACCATT TTAAGTCCT CTCTTAATG AGTGTCTCTA
297051 GCCAGTAAAT TTCACACCTC ATGTGTGTGA AGACAATTA TTGTGCAAAAC
297101 CAAGGCACTT TTGAGAGTAG ATTGGGCAGC CATTGGTTAT TGTGCTCTG
297151 TGTCAGGCAT GCACTGGGAC TGTCTCAGTA AACGGCTACA CATGGCCATC
297201 CTAATTACAG CAGTTTGGG ATGAAGGACT CAGTGACAGT GTGGTATGG
297251 GAGGTGAATC TGTGAAGAA AAAAAGCATG AAACATAATT AAACAGGCAA
297301 GGAAGGCTTT ATTCAAGACT ACTGCAGCAG GGGAGAGATT AATCTTGACT
297351 CTGGTTGCAG CAGGACAGC TGGGGATTTA TGGCCAATGG GCATGGCGAA
297401 GGGGTGAGTG GATAGGAAAT TACTAAGAGA ATTTGGTTAG GTATTAGGG
297451 TCGGGGGATT CTTGCTGAGC TGGGCTCTGC CGGCCAGGAC CAGGCCTAGT
297501 CAAGAAGAGC CCTCAGAGGA ACATGATTAA GGTTTGGTCA AGGAAAGAGT
297551 CCTTGTGAA ACTCACCAAA TGAATGCAG ATTTTAAAT TCACTCTTAA
297601 CTAAGGAAGC TGAATAGTTT CCCAGTCATG GGAATCATC CTTGCTCTGA
297651 GAAATCTCTC CAACTTATG CTCTATTTT TCCTTTGTGA TTTTAAAAA
297701 ATTGCTCTTT GTAAATCTAG TTATCTAGT TATGCTTGGT AAAGAAATCT
297751 ATTTTATCTT CTGATCTTTG CTCTACTTC AGTAAAGCTG TGGTGAAAT
297801 GACTCTTCAA AAATGAAAAA AAGTGTGGCT TGAATTGATA AAGGAAGCAC
297851 AATTGTAATT CATTGAGGAA GGACTTCATC AAGTGGGCTA TGTTCATGG
297901 CACATGTTT AGTGAGCCTT AGAGAACAGA AGGGAAAGCA AGGGGCTTAT
297951 TTTTATGGTT TGTACACATG TCCATCACAG TGGAGGCTCA ATGAAGGTAT
298001 CTGCTTCCCC CGATAGCCCA GTGCTACTA CTAGACAAC CTCTCCCCCT
298051 CTGAGCATTG GTTTCTTGT CCATAAAATG AAGGTGTTCT ATTAGGTGAG
298101 CTCCTTGCTA CCTTACAGGG ATTTAAAAA ATTCTGTAAT TCTGATTTT
298151 AAAATTACTT TGTCCCTCTC TGGATTGTGC TCCAATATTA TAAATATACC
298201 TCTTGAGGCC ATTCTAAAGG ATTGAATATG AGCAATGGTA AATCAATCTG
298251 AAAATAATGA CTTAATGTAG AACCTGTGTC TGAAGAGCTC AGTATATTTT
298301 GTGGTTTATG ATACAACACA TCCAAGGAGA TGTATGCAAG AATGTTCCAG
298351 CAGATTTATT AATAAAGCA TGTGTGTTGG GGGAGGGGGA TCAGCAGAGG
298401 AATAGCAACA ACCTGAAATG TACTTCAGCA GGAGAATGAA TACAGAAATA
298451 ATGATGGAAT GACTCACAGT GAAAGTCAGC TATAGAATCA AAGGGCATAA
298501 ATTTCAACAA TTTTGAGCAA AAACAAGAAA TAACTTATAC CATTTACTTA
298551 AAGTGTAAG ACATACAAAA CAGTACTACT ACTCATTTCT AAGGGGTACA
298601 TACTTGTGTA TATATAGTAA AAGTATTTT TTAATTCTTG GTGGTGATAA
298651 ACACCAGGCT CAGAATAGAG GTTCCCTCTG CGGGTGGGAA GGGAGTATGA
298701 TTTGGGAGGG GAATTCATGG AGCTTCAGCT GTATTTGCTA ATGTTTTATT
298751 TCTTAAACTG GGAGTTAGAT ATATATGTAT TCACTGTATT ATACTTTATA
298801 TCTTTTCAAT TGTCTTAAAA TATAACAACC TTATGATAAA GTTGGGATAA
298851 TCATAAAAA AGATTGCATA CATTTGTTTG CAAATTAGGA ACAGTCACCA
298901 TAATTTAGTG GTAGCAAAGC TAATGTGAAT TTGAAATCTT CTTACTACCT
298951 GTCCTGCAAT TACAATGTAC AAACATCAAA AAACAAAACA AAACCTCCAG
299001 TGTACACACT GGTGAAAGAA CCACATAGTCA GATACCAGTC TCGAGTTGTT
299051 ACTACTTAAT TGCTATTGTT ATTTATTTAA AATTTATACT GTGTGAGAAA
299101 AGTGTTTATG AAAACATACA GTTAGCTAAA AAGTTGTGAT TGGATGCCAG
299151 ATTGATAAAT GAGCAGTTTA CTCTGCAAAT AAGTGCAAAC TCAGCTATGA
299201 GCTTTCAGGT GGTCTAGACA ACAAGAGAAA CCTGCCTACT AGTTTCTTAG

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299251	TAGACAACCT	TATGATAAAG	TTGGAATTGT	CATGAAAAGA	CATTGCACAC
299301	ATTTGTTTGT	TTGTAGATTA	GAAACAGAAG	CTCTAATCTA	CAACTCTCAG
299351	TAGGAGAGCT	GGATTTTCT	TGGCTCTAAA	TTTTGGGGAA	GAATTAATCA
299401	CAAGAATCCT	TATGTAATGG	GTACTGAGGC	ATTTTGAGTG	GTGCTTCTGT
299451	TGATTTGCTC	TTGGCTGCAG	CTCCTTGCTA	TTCATCCATT	TCACACAGCA
299501	CCCAGAGTGA	TGCTGCTGTA	ACAGAATTCA	AATCATATCA	ACCCCTCAGA
299551	GGCTTCCCAT	TGCACCCATG	GCAAAGTCAA	GGCCCTTAC	CTGACCTCCA
299601	GGCTCCCTGC	TCCTGCCTGA	CCATCTCACC	TTGTCTCTTA	CCATTCTTCT
299651	CCTCTTAATT	AGGCTCCACC	CACCACAGTT	GGTGACTCTT	CTTCAGAGCT
299701	TATGAGAGCT	GGGCATATCC	TCTTCTCTCA	TTTAGGAATG	CCCTTCTCCC
299751	AAGTCTTGCG	TTGTATGACT	CATCTTTATG	ATTCAAGTTT	CCATTCAAAT
299801	GACATTCTCG	GTCACCCCT	TCAAAGAGGC	TTTTCTTAAT	GAGCAAAAGT
299851	AGCCTACCA	CCACCACCTA	TACTATCCCT	AAACCCAAAGG	CAAGAGGGGT
299901	GCTCTGGGCC	CTGTGCTGTA	GAGGGGTACC	CTCCAGCCAC	ATCCCTTCCC
299951	ATGAAGCAG	AAGTCCATGG	AGCAAAGGGG	ACTTACACAC	CCAGAGCTTG
300001	CGTCTCCTCT	GCTAGGTCAT	GCTCTGTGCT	GTGGCTTGAA	TGTGACCCCT
300051	TCAAATTTCA	TATGGAAACT	TAATCTTCAT	TGAGGTAGTA	TTAAGAGATG
300101	AGATTTTGGG	AAAGTGATTA	AGTCATGAGG	GCAGAGCCCT	CAGGAATGGA
300151	TTAATACCTT	TACAAAAGAG	GCTCAGAGA	GATAATTGCC	CCCTTTTGCC
300201	CGCTCAAGCT	TTCTTCCCCT	CCAGAGGACA	GACAAAAAAA	GTGCCATCTT
300251	GGAAGCAGAG	GGAGCAGCTC	CCACCAGACA	GCAAATCTGC	TAGCACCTTG
300301	ACCTGGACCT	TGGACTTCCC	AGCCTCCAGA	ACTCTGAGAA	ATAAATTCTA
300351	ATATTTATAA	ATTACCTCTT	CCATAGTATT	TAAGCAGCAC	AAGCAAACCTA
300401	AGATGCCCTG	CTTACCTGGG	ATTCCACAAG	TCTCTGCCCA	GATGGCCCCA
300451	AGCCCATTTT	TACAGTCTGT	GAGCCTCTGC	CTTGTTTCCC	TTTGTCTGTA
300501	TTGTCAGTTT	GCAGACCCCT	GGGAAGCCCA	AGGGTGGTCA	CACAGTGGCT
300551	GTTTGCAGAA	GGTATGGATA	AATATTAGAC	ATAAGGGCTG	CAGTATCATA
300601	TGTGTACAAG	AACTTCCTCT	CAATGGGAGT	TGGAGCCAGG	CTGAGAAGAG
300651	ACGGGCACAG	GCCAGGAGAC	AGGGATCAGG	GACCCAAGGG	CTGGCTTGCA
300701	CAGCCCTTCC	ACATCCCAGT	GCAGAACTCT	GAGGAGTCTG	AGAATCCTGA
300751	GTGCAAACTT	GTTCTTCCAG	GTGTTTGAAA	AGTTGATTTG	TCAACTTAAG
300801	AGGGTAGATC	ATATTTTATT	AAACAGTTTG	TTAGCTTTGAT	TCACACTCTT
300851	TATTTATACA	TATGTGGATC	TCCATTTATA	CTCTTGCCGC	CTCTCAGAAA
300901	CGTTAGCAGC	AGGCCTGGCT	TCCTCTGCAT	TTGAGTCACT	CCAGAAGATG
300951	GTGGTTCAAA	TTCCAGGGCC	TGGTGGTTAA	AAAAAAAAAA	AAAAAAGGG
301001	GCGGGGTCG	TGCCAAATCT	CTTTTCTGAC	ACCCACCTTC	TTGGGGATTG
301051	CAGACTTTCT	TCTCAAAAGT	CTGTTCTCTA	CTCTCTCTCC	TATTTCCCTG
301101	TTTTTATPTT	GTAGCACTGA	AAAAAATCTA	AAATTACCTT	ATTTGTTTAC
301151	TTGTTTAATA	TGAGGTCTGT	GAGGTGAGAG	GCTTGTGGCT	ACATCTGCAG
301201	CATGTGGCAC	ATACTAAGTG	CTCATTAATA	ATGTGCTTAT	AGCCAAGCAT
301251	GGTGCCCTCAT	GCCTGTACTT	CTAGTGATTT	GGGGGGCCAG	CATGAGAAGA
301301	CTGCTTGAGG	CTAGGAGTTT	GAGACCAGCG	TGGGAAACAT	AGCAAGACAC
301351	CCTTGTCTCT	ACAGAAATTT	TTTTTTAATG	AGCTGGGTTG	TGTTGGTGTA
301401	TTCTGTAGT	CCCAGCTATT	CTACAGACTG	AGGTGGGAGG	ATCACTTAAG
301451	CCTGGGAGGT	CGAGGTTGCA	GCTATGATTG	CACCACTGCA	CTCCAGCCAG
301501	GGTGACAGAG	CAAGACCCCTG	TTTCTAAAAA	TAATATAAAT	AAATAAATAA
301551	ATAAATAAAT	GCTGAATGTG	TCATGACAGG	AATATTGTTT	TAAAAAATTT
301601	GCTAAATGAA	TGACTTAGGT	GCTATTTTGT	GCCAGGACTA	TGCAGGGTAC
301651	AAAGATAACT	CAGAAAGGTC	CTCTGCCTTC	AAGGGTCGCC	AAGCCTAGTT
301701	GGGGAGCAAT	CTTGAACAAC	ACAGTCTTCT	GCCTTAGATT	TTCACTTCTT
301751	GACATCATTA	ATGAATCTGG	AAACAAAAAT	ATATATGTAG	CCATTATTGT
301801	AGCACTTCCG	GGCAGACAAA	CAATTTGCAA	GGTAAATAAG	CTGCAGGGAA
301851	AGGGAAACAT	ACTTTCTGTT	AGTTTCTCTA	AAGGTTTAGG	GATAAGAGAG
301901	CTTTTAAACT	TGATGACCCA	TCAGAAATGGT	GGAAAGTGCT	TTTTTCTCCT
301951	CTCCCTGAAG	ATAAATTGCT	TGTTTTTCTA	GGAGTGGGGG	AACATGTTAA
302001	ACGTTTCTCT	CTGTTAAGCT	AAAATCACTG	TTAGAACAGG	AGGCTAAAAT
302051	CTCCTTAGCT	GCTGCTGTCT	GCCTTATTTA	ACTTACATGG	CAGACGGTGG
302101	CATCTGCTGA	ACAACACTGT	GTTGGCTGCT	TATCTCCTCC	AAGGAGTTGA
302151	GGGACTCTGG	AGTCGTCTCT	AGAGGACTCC	ATGGGCAGCA	GGGCAGCTGG
302201	GGCTTCCAGC	AGCTCTGGGC	AGACTTCATT	TTCACTCCAG	ATGGCCTGGG
302251	TGTGCAAAGT	GTGAAAAGAG	ACAGGCAGTA	ACACTGTCCC	TTCTGCATAG
302301	AATCCCTTTT	TAAAAATTA	TTAAGGCCTG	TGCTTAGTCA	CCCGAAATA
302351	TAAGAGGTCA	TTTTTATCTA	AAGATGATTG	TGCAGGCCCC	ATAAAGCCAA

302401 TGCATTTGAA ATAATGATGA ATATATCATA AGAAATACTG AAAACTGTAC
302451 TTGTTTGGAG TTTTATCTTG AAAACAGCA GCTAAAAACC ATAAAAGTGA
302501 TTTTAGAGTT TATAAAATTA GGCTATAACT TTACTATGTG CTAATTCTTA
302551 GAATACTAGG GATGCATATA TTTTAAATA AAATTGTATG ACATCACCAT
302601 ATTCCTTCCT ATTTGACTTT CAAGACATCT ACTCATTCAT CCAACAAATA
302651 TTTATTGACT AATTACTATG CACCAAGCAC TGTTCATGGC AGTGGGATCA
302701 GTCAAAAAAA AAAAAAGAAA ATATTTTTCG TGTTTTCATG GACCTTATAT
302751 TCTAATGGGT GATAAATCAT AAAATATTAG GGAAGAGCAG ATCATGCTGG
302801 AAAGTAGCAA ATACTAAGAA GAAAATACAA AAGCAGAGAT GGTGAATAAG
302851 TAGTACAGAA TATTGGTAAA GACTACAGTT TAAAGAGGGT GGTGAGAATA
302901 TGTCTCTCTG AGAAGATGAC ATGAGGGAAA AGATTGAAG GTGATGAGGA
302951 GAGAAACATA TGAATATCCA GAGAAAGAGC ATTCTAGTTA GAGGGAACAT
303001 CAAGTGCAAA TGTCTGGAG CAGGATGTGC CTAATGCGTT CAAAGAAGAG
303051 CAAGGAGCCA GTGCAGCCGG AATGGAGGGA GTGAGGGGAG GAAGGTAGGC
303101 AATCTGGAGA GATATGATTG GATATTGTAT ACCACTGGAA AGACCTTTAC
303151 TCTGAGATGA AGAGTCCAAT AGAGTTTGA GCAGGGAAGT GAAAGTAGGC
303201 TTACCGTGGC TGCTGAGCTG ACAATAGACT GTAGAGTAGT GAGGGTAGAA
303251 GCAGGAAACG TATCGAGTGG CTCCTGAAAG AATCAGGTGG GAGACAGAGT
303301 AGTAGTGGAA ATGGTGAGAA GTGTTGGGAT CCTAGTTACA TTTTAAAAAT
303351 GGAGCTGATA GGGCTTACTA ATTGATCTGA TTATGAAAGG AACTGGACTA
303401 CTAGAATGTG AGAGAAAGAG AGGAATCAAA GATAACTCAG GTTTTGGACC
303451 TGAAAGGAA CTGAGATAAA CAGAAATGGG GAAGACTGAA TAGTATTAAG
303501 ATATTTTAGA GGAAGAGCA GGAATTTGAC AGGGCACAAT AATTCTAAGA
303551 TTATTACCTA CTAGACATCC ACACAGAAGT GTCAAGTAGG TAGCTGAATA
303601 CATGAGTCTG GAGTTTAGGA GAGAAGTGAC AAGTGCATAT TTGAGAACCA
303651 ACAGTTTAAG GGAGGATTTA AAGTCATGAA ACTAGATGAC CCACCTTGGG
303701 AGAGAATGTG GATAGAGGAC AGAAGAAGTC TAGGGATCAG GGAGATATGG
303751 AGGAACAAGC ATAGTCAAAT CAGAGAAGAT CATTTTGGGG AAAATATTGG
303801 AGGACCTTGT TAAGTTTCTT GGAGTCTTCT TCCAATTTCC TAAATTTAA
303851 ATCATCCTAT TTGAAGAGTC TGTCATCATT GTTACTGATT TTTTCAGTTT
303901 TTGGTGATTG ACCTAATGCT CAGATCCTTT CTTATCAATG ACAGCACAAG
303951 ATTCCAACAT GGTTTTCTTC ACATAGTCCA TTTTGTGTTG CTGTAACAGA
304001 ACACCACAAT CTGAGTAATT TATAAAGAAA ATAAATTTGT TTCTCACAGT
304051 TCTGGAGGCT GGAAGTCAA ATATCAAGGT GCCAGCATCT GGTAAAGGCC
304101 ATCTTGCTAC ATCATCCCAT GGCAGAAGTC GGAAGGGCAA GAGAGAGGGG
304151 AAAAGAGAGA AGGAAGGGGG GGGGGCAAAA TCATCCTTTT ATCAGGAACC
304201 CACTCCTACA ATAACTAACC ACTCCATAA TAACAGCATT AATCCATTCA
304251 TAAGGCAGAG CCCTCAAGAC CAAATTACTT CTTACAGGTC CCACCTCTTA
304301 ACACGTCTGC AATGGGAATT AAGTTTCCAA CACATGAACC TTGGGGGACA
304351 CATTTCATGCA CTATGTGACA TCCTGCATCT GCAAGTTTGT CAGTGCCATT
304401 TTAATGAAGT CAGTTTACTT TGCACTTGCA CTTTGTGTTT ACCCTGTCAC
304451 AGCTCACCGG TAACAGAACT CTTAGTGTGA TGGACAGAGA TAGAACTAG
304501 CATTACAGCA AGAGGCAGTT TTCAGGGTGG ACTAATTTTA TACACAACCA
304551 TTTATCAGTA GATATTTTAA AGTTCTGATG CTTTAAAAAT CCTTGTAAT
304601 TTGGGGGCTT GAGTAATGAA TATTAGATGA TAATGACCTT CCGGGTATCC
304651 ATTAAACCAT TAGCAATGTC TCCAGTTTGT TAAGAATTAA TAGATATTAA
304701 AAATCAGAAG GAGGGCAGCC AAGATGGCCG AATAGGAACA GCTCTGGTCT
304751 ACACCTCCCA GCGTGAGCGA CGCAGAATAC GGGTGATTTT TGCATTTCCA
304801 TCTGAGGTAC CAGGTTTCAT TCACTAGGGA GTGCCAGACA GTGGGCGCAG
304851 GACAGTGGGT GCAGCGCACC GTGCGTGAGC CGAAGCAGGG CGAGCAAGGC
304901 ATTGCCTCAC TCGGGAAGCG CAAGGGGTCA GGGAGTTCCC TTTCTAGTCT
304951 AAAGAAAGGG GTGACAGACG GCACCTGGAA AATCGGGTCA CTCCCACCCT
305001 AATACTGCGC TTTTCCGACG GGCTTAAAAA ACGGTGCACT AGGAGATTAT
305051 ATCCCACAAC TGGCTCGGAG GGTCTACAA CCACAGAGTC TCGCTGATTG
305101 CTAGCACAGC GGTCTGAGAT CAACTGCAA GGCGGCAGCG AGGCTGGGGG
305151 AGGGGCGCCT GCCATTGCC AGGCTTGCTT AGGTAAACAA AGCAGCCGGG
305201 AAGCTTGAGC TGGGTGGAGC CCACCACAGC TCAAGGAGGC CTGCCTGCCT
305251 CTGTAGGCTC CACCTCTGGG GGCAGGGCAC AGACAAACAA AAAGACAGCA
305301 GTAACCTCTG CAGAATTAAA CGTCCCGGTC TGACAGCTTT GAAGAGAGCA
305351 GTGGTTCTCC CAGCATGCAG CTGGAGATCT GAGAACGGGC AGACTGCCTC
305401 CTCAAGTGGG TCCCAGACCC CTGACCCCTG AGCAACCTAA CTGGGAGGCA
305451 CCCCCAGTA GGGGCACACT GACACCTCAC ATGGCCAGGT ACTCCTCTGA
305501 GACAAAACCT CCAGAGGAAC GATCAGACAG CAGCATTCGT GGTTCACGAA

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305551 AATCCGCTGT TCTGCAGCCA CCGCTGCTGT TACCCAGGCA AACAGGGTCT
305601 GGAGTGGACC TCTAGCAAAC TCCAACAGAC CTGCAGCTGA GGGTCCTGTC
305651 TGTAGAAGG AAAACTAACA AACAGAAAGG ACATCCACAC CAAAAACCCA
305701 TCTGTACATC ACCATCATCA AAGACCAAAA GTAGATAAAA CCACAAAGAT
305751 GGGGAAAAAA CAGAGCAGAA AAAGTGGAAA CTCTAAAAAA CAGAGCGCCT
305801 CTCCTCCTCC AAAGGAACGC AGTTCCTCAC CAGCAACGGA ACAAAGCTGG
305851 ATGGAGAATG ACTTTGACGA GCTGAGAGAA GAAGGCTTCA GATGATCAAA
305901 ATACTCCGAG CTACAGGAGG AAATTCAAAC CAAAGGCAAA GAAGTTGAAA
305951 ACTTTGAAAA AAATTTAGAC GAATGTATAA CTAGAATAAC CAATACAGAG
306001 AAGTGCTTAA AGGAGCTGAT GGAGCTGAAA GCCAAGGCTC GAGAACTGCG
306051 TGAAGAATGC AGAAGCCTCA GGAGCCGATG CAATCGACTG GAAGAAAGGG
306101 TATCAGTGAT GGAAGACTAA ATGAATGAAA CGAAGCGAGA AGGGAAGTTT
306151 AGAGAAAAAA GAATAAAAAG AAATGAACAA AGCCTCCAAG AAATATGGGA
306201 CTATGTGAAA AGACCAAATC TACGTCTGAT TGGTGTACCT GAAAGTGACG
306251 GGGAGAATGG AACCAAGTTG GAAAACACTC TGCAGGATAT TATCCAAGAG
306301 AACTTCCCCA ATCTAGCAAG GCAGGCCAAC CTTGAGATTG AGGAAATACA
306351 GAGAACACCA CAAAGATACT CCTCAAGAAG AGCAACTCCA AGACACATAA
306401 TTGTCAGATT CACCAAAGTT GAAATGAAGG AAAAAATGTT AAGGGCAGCC
306451 AGAGAGAAAG GTCGGGTAC CCACAAAGGG AAGCCCATCA GACTACCAGC
306501 GGATCTCTCG GCAGAACTC TACAAGCCAG AAGAGAGTGG GGGCCAATAT
306551 TCAACATTCT TAAAGAAAAG AATTTTCAAC CCAGAATTTT ATATCCAGCC
306601 AAACCAAGCT TCATAAGTGG AGGAGAAATA AAATACTTTA CAGACAAGCA
306651 AATGCTGAGA GATTTTGTCA CCACCAGGCC TGCCCTAAAA GAGCTCCTGA
306701 AGGAAGCACT AAACATGGAA AGGAACAACC GGTACCAGCC ACTGCAAAAT
306751 CATGCCAAAA TGTAAGACC ATCGAGGCTA GGAAGAACT GCATCAACTA
306801 ACGAGCAAAA TCACCAGCTA ACATCATAAT GACAGGATCA AATTACACA
306851 TAACAATATT AACTTTAAAT GTAAATGGAC TAAATGTCTC AATTAAGAAG
306901 CACAGACTGG CAAATTGGAT AAAGAGTCAA GACCCATCAG TGTGCTGTAT
306951 TCAGGAAACC CATCTCATGT GCTGAGACAC ACATAGGCTC AAAATAAAG
307001 GATGGAGGAA GACTAGCAA GCAAAATGGAG AACAAAAGAA GGCAGGGGTT
307051 GCAATCCTAG TCTCTGATAA AACAGACTTT AAACCAACAA AGATCAAAAG
307101 AGACCAAGAA GGCCATTACA TAATGGTAAA GGGATCAATT CAACAAGAAA
307151 AGCTAACTAT CCTAAATGTA TATGCATCCA ATACAGGAGC ACCCAGATTG
307201 ATAAAGCAAG TCCTGAGTGA CCTACAGAGA GACTTAGACT CCCACACAAT
307251 AATAATGGGA GACTTTAACA CCCCCTGTC AACATTAGAC AGATCAATGA
307301 GACAGAAAGT TAACAAGGAT ATCCAGGAAT TGAATCAGC TCTGCACCAA
307351 GTGGACCTAA TAGACATCTA CAGAACTCTC CATCCCAAT CAACAGAATA
307401 TACATTTTTT TCAGCACCAC ACCACACCTA TTCCAAAATT GACCACATAG
307451 TTGGAAGTAA AGCTCTCCTC AGCAAATGTA AAAGAACAGA AATTATAACA
307501 ACTGTCTCTC AGACCACAGT GCAATCAAAC TAGATCTCAG CATTAGAAAA
307551 CTCCTCAAAA ACTGCTCAAC TACATGGAAA CTGAACAACC TGCTCCTGAA
307601 TGACTACTGG GTACATAATG AAATGAAGGC AGAAATAAAG ATGTTCTTTG
307651 AAACCAATGA GAACAAAGAC ACAACATACC AGAATCTCTG GGACACATTC
307701 AAAGCAGTGT GTAGAGGGA ATTTATAGCA CTAAATGCCC ACAAGAGAAA
307751 GCAGGAAAGA TCCAAAATTG ACACCCTAAC ATCACAATTA AAAGAACTAG
307801 AAAAGCAAGA GCAACACAT TCAAAGCTA GCAGAAGGCA AGAAATAACT
307851 AAAATCAGAG CAGAACTGAA GGAATAGAG ACACAAAAAA CCTTCAAAA
307901 AATTAATGAA TCCAGGAGCT GGTTTTTTTG AAAGGATCAA CAAAATTGAT
307951 AGACCGCTAG CAAGATTAAT AAAGAAAAAA AGGGAGAAGA ATCAAATAGA
308001 CACAATACAA AATGATAAAG GGGATATCAC CACTGATCCC ACAGAAATAC
308051 AAATTACCAT CAGAGAATAC TACAAACACC TCTACGCAA TAACTAGAA
308101 AATCTAGAAG AAATGGATAA ATTCCTTGAC CCATACACCT TCCAAGACT
308151 AAACCAGGAA GAAGTTCAAT CTCTGAATAG ACCAATAACA GGATCTGAAA
308201 TTGTGGCAAT AATCAATAAC TTACCAACCA AAAAGAGTCC GGGACCAGAT
308251 GGATTCACAG CCGAATTCTA CCAGAGGTAC AAGGAGGAAC TGGTGCCATT
308301 CCTTCTGAAA CATTTCBAAT CAATAGAAAA AGAGGGAATC CTCCTAACT
308351 CATTTTATGA GGCCAGCATC ATCCTGATAC CAAAGCCTGG CAGAGACACA
308401 ACCAAAAAAG AGAATTTAAG ACCAATATCC TTGATGAACA TTGATGCAAA
308451 AATCCTCAAT AAAATACTGG CAAACCAAAT CCAGCAGCAC ATCAAAAAGC
308501 TTATCCACCA TGATCAAGTG GGCTCATCCC TGGGATGCAA GGCTGGTTCA
308551 ATATATGCAA ATCAATAAAT GTAATCCAGC ATATAAATGG AACCAAAGAC
308601 AAAAACACCA TGATTATCTC AATAGATGCA GAAAAGGCC TTGACAAAAT
308651 TCAACAACCT TCATGCTAAA AACTCTCAAT AAATTAGGTA TTGATGGGAC

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308701 ATATCTCAAA ATAATAAGAG CTATCTATGA CAAACTCACA GCCAATATCA
308751 TACTGAATGG GCAAAACTTG GAAGCATTCC CTTTGAAAAC TGGCACAAGC
308801 CAGGGATGCC CTCTCTCACC ACTCCTATTG AACATAGTGT TGGACGTTCT
308851 GGCCAGGGCA ATTAGGCAGC AGAAGGAAAT AAAGGGTATT CAATTAGGAA
308901 AAGAAGAAGT CAAATTGTCC CTGTTTGCAG ATGACATGAT TGTATATCTA
308951 GAAAACCCCA CTGTCTCAGC CCAAAATCTC CTTAAGCTGA TAAGCAACTT
309001 CAGCAAAGTC TCAGGATAGA AAATCAATGT GCAAAATCA CAAGCATTCT
309051 TATACATCAA TAACAGACAA ACAGAGAGCC AAATCATGAG TGAACCCCCA
309101 TTCACAATTG CTTCAAAGAG AATAAAATAC CTAGGAATCC AACTTACAAG
309151 GGATGTGAAG GACCTCTTCA AGGAGAACTA CAAACCACTG CTCAATGAAA
309201 TAAAGAGGGA TACAAAGAAA TGGAAGAAC A TTCCATGCTC ATGGGTAGGA
309251 AGAATCAATA TCATGAAAAC GGCCATGCTG CCCAAGGCAA TTTATAGATT
309301 CAATGCCATC CCCATCAAGC TACCAATGAC TTTCTTCACA GAATTGGAAA
309351 AAATACTTTT AAAGTTCATA TGGAACCAA AAAGAGCCCG CATCACCAAG
309401 TCAATCCTAA GCCAAAAGAA CAAAGCTGGA GGCATCACGC TACCTGACTT
309451 CAACTATAC TACAAGGTTA CAGTAACCAA AACAGCATGG TACTGGTACC
309501 AAACAGAGAT ATAGATCAAT GGAACAGAAC AGAGCCCTCA GAAATAACGC
309551 CGCATTCTTA CAACATATCTG ATCTTTGACA AACCTGAGAA AAACAAGCAA
309601 TGGAGAAAGA ATTCCCTATT TCATAAATGG TGCTGGGAAA ACTGGCTAGC
309651 CATATATAGA AAGCCGAAAC TGGATCCCTT CCTTACACCT TATACAAAAA
309701 TTAATTCAAG ATGGTTTAAA GACTTAAACA TTAGACCTGA AACCATAAAA
309751 ACCCTAGAAG AAAACCTAGG TATTACCATT CAGGACATAG GCGTGGGCAA
309801 GCACTTCATG TCTAAAACAC CAAAAGCAAT GGCAACAAAA GCCAAAATTG
309851 ACAAAATGGGA TCTCATTAATA CTAAAGAGCT TCTGCACAGC AAAAGAAACT
309901 ACTATCAGAG TGAACAGGCA ACCTACAAAA TAGGAGAAAA TTTTCGCAAC
309951 TTACTCATTT GACAAAGGGC TAATATCCAG AATCTACAAT GAACTCAAAC
310001 AAATTTACAA GAAAAAACA ACCGCATCAA AAAGTGGGTG AAGGCATGTA
310051 ACAGACACTT CTCAAAAGAA GACATTTATG CAGCCAAAAG ACACATGTAA
310101 AAATGCTCAT CATCACTGGC CATCAGAGAA ATGCAATCA AAACCACAAT
310151 GAGATACCAT CTCACACCAG TTAGAATGGC AATCATTAATA AAGTCAGGAA
310201 ACAACAGGTG CTGGAGAGGA TGTGGAGAAA TAGGAACACT TTTTACTGTG
310251 TGGTGGGACT GTAAACTAGT TCAACCATTG TGGAAGTCAG TGTGGCAATT
310301 CCTCAGGCAT CTAGAACTAG AAATACCATT TGACCCAGCC ATCCCATTAC
310351 TGGGTATATA CCCAAAGGAC TATAAATCAT GCTGCTATAA AGACACATGC
310401 ACACGTATGT TTATTGTGGC ACTATTCAACA ATAGCAAAGA CTTGGAACCC
310451 ACTCAAATGT CCAACAATGA TAGACTGGAT TAAGAAAATG TGGCACATAT
310501 ACACCATGGA ATACTATGCA GCCATAAAAA ATGATGAGTT CATGTCCTTT
310551 GTAGGGACAT GGTGAAATTT GGAAATCATC ATTCTCAGTA AACTATCGCA
310601 ACGACAAAAC ACCAAACACC GCATGTTCTC ACTCATAGGT GGGAAATTGAA
310651 CAATGAGAAC ACATGGACAC AGGAAGGGGA ACATCACACT CTGGGGACTG
310701 TTGTGGGGTG GGGGGAGTGG GGAGGGATAG CATTAGGAGC TATACCTAAT
310751 GCTAAATGAC GAGTTAATGG GTGCAGCACA CCAGCATGGC ACATGTATAC
310801 ATATGTAACT AACCTGCACA TTGTGCACAT GTACCCTAAA ACTTAAAGTA
310851 TAATAATAAT AAAATTTAAA ATAATAAATA AATAAAAAATA AATAAAAAATA
310901 AAAATCAGCT TAGAAATTGT TCCAGAAGTT AATGTCTTCA TTTATAAAGG
310951 AAGACAGTGA CTGGCCTACA GAACTGAGTG ACTAGACTGC ACAGCTAGCT
311001 AGGAGCAAAG CCTGAATGAG AATCAATCTG AACCCCCCCT CCATGTAGTG
311051 CCATTTAGTG GTTAAGATAC TTAACATCTG TGCCTCAGTT TCTTCAACTG
311101 TGAAACAGGA GTTATATCGC ATACCTCATA TGATTGTGTA AATAACACAT
311151 TAAAAAATAG ATATCAAGTG CTTGGCATAA ATTTTTTTTC TTTTTTTTTG
311201 AAACGGAGTC TTGCTCTGTC ACCCAGGCTG GAGGGCAGTG GCGTGATCTC
311251 AGGTCACTGC AGTGGCACGA TCTTGGCTCA CTGCAGCCTC CACCTCCTGG
311301 GTTCAAGCAA TTTTCCTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
311351 ACACGCCGCC ATGCCCGGCT TATTTTGTGA TTTTGTAGTAG AGACGGGGTT
311401 TCACCATATT GGCCAGGATG GTCTTGATCT CCTGCCCTCG TGATCCACTG
311451 GCCTCGGCCT CCCAAAGTGT TGGGATTACA GGCATGAGCC ACGGCGCCCA
311501 GCTGGTTTTT TTTTTTTTTT TTTTTTTTTT AATACTAAGT CTGGCAAGGA
311551 TATGGAGCAA CTAAGACTGT CATACACTGC TGGTGGGAAT GCAAAATGGA
311601 ACATCTGCTT TGGAAAACAG TTGAGTGGTT TCTTCACACT TGATCTTCAC
311651 CAAACGGCTG AGAAGCAATA AGCAGTTTCT TATAAAGTTA AATATACACT
311701 TACCATACAA CCCAGAAATT CCACTCCTAG GTATTTATCC AAGTCAAGTG
311751 AAAATATATG TCCACACAAA AACCTACATA TGAATACATA TAGCAACTTT
311801 ATTCACAATC TTCAAAACT AGGAACAACC CAAATATTGG TCAGCTATGA

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311851	ATGGATAAAC	CAACTGCAGC	ACATCCGTAC	AGTGAAACAC	TGATCAGCAA
311901	TAAAAGGAAC	AAATTATAAT	ACACACAGCA	GTTTAGATGA	ATCTCAAAGA
311951	TGCTATGTTA	ATTGAAAGGC	ACCAGTTCCT	TAAAAGCTGC	ATTCTGAATG
312001	ATTCCATTCA	TATGACATTC	TGGAAAAGGC	AAAACCTGAAG	GAACAAAAAC
312051	AGGTCAGTTA	TCACCAAGGG	GTGGAGGGAG	GACTTGGTTA	CAAAAGGATA
312101	TGAGGGAATT	CTGGAGTGTG	ATGAAATTGC	TCTGTATCTC	AGTTGAGGTG
312151	TGAGTTAGAT	GGCTGAATGA	GTTTATCCAA	ACTCATAGAG	CTGTACATTC
312201	AAAAGAAGAA	ATTTTGTTAT	ATATATTTTT	TTATCAATTT	AAAAAATATA
312251	TAAAAAATAA	AAGAGGGAAT	CCCAAAGATG	AAATAAAAAAC	AAAACATTCC
312301	TGGGACTTAA	CAGACTCTTT	GAAAAACAAG	TTTTCTTCTA	TTTTCCCTCT
312351	CTTCCCTGAG	GAAAGAATTA	CTCATGATTG	AAAGCCCTTA	AAAAGAATTT
312401	GCTTACTCAG	ATATTATTTT	TAAAAGGAGT	GAAATTTCATG	ACTCACAAGG
312451	TGCTATTTTT	CTTCTGGCTT	TTAAGTCATT	TTTTACTTCA	TTTTTCTCAC
312501	AAATAATTAT	CGATCACCTA	TAAGCAAAGA	ATGTCTTCCT	GAGCTCTCAC
312551	TTATAATTGA	ACATTTAGAG	CTGAAGGAAT	CCTTAGAAAT	CAGTTAGTCT
312601	ACATTGCAGA	TGAAGTAACT	GAGGCTCTGA	AAAGTGAAAG	TCACTACCCC
312651	AGTGCCACCC	AGAAAGTTGG	TGGCAGAATC	CCAGCCCAGCA	CTTAGAGTGT
312701	CTAACGGGGC	TTCGGTCTTG	TCACTGTGCT	CATCTTTGCA	GCCCCTGAAC
312751	CTTATCTCAA	GAGCTAACAA	GCCTGTTTGA	GAAAGTATTT	CTTCAGCTGT
312801	GTGAATGTAC	CCCTCACTGG	TGGGATTTAT	AAAGTGTGAT	GGTGGGGGTA
312851	CAGGGAAATA	TTTGGGACAA	AGCATTGTAT	TCTGAGCTTC	TGGAAACTCA
312901	CTTCACAAGC	TGCTTCCCTT	CCCTAAGAGG	AGTCCTTGTT	TCTTACAGTA
312951	AACAGGAACA	GGAACAGATT	GCATGGAAGA	ATCATTAGTA	GGCACCTGGA
313001	AGTGGAACA	TCCCTCTCCT	GTTACTATCA	AAGCTTTGTT	TTTACCCAGC
313051	AGCAGTAAGA	ACCTTCTTGA	ACTGGTGTAG	GTGGAGCTCT	CTAATAATAC
313101	CCCAAGATAA	TGAAAGACAC	TACTCCTGAA	GTCATCCTTT	AGGCTAATAC
313151	ATAAAAGGAT	GGATGACCAG	AGGGTAAGAG	CTGGTAAATC	CCAAAGGCGT
313201	GAGCAATGCA	AATTGAGGGA	CATTCTAGCA	TCCAGATCAT	TGAAGGAAAC
313251	TAAAGAGACA	TGACAAGTAA	ATGGAACTCA	TGATTATTTT	GAATGCTTTG
313301	TTATCAGGCA	GTGTTATTGG	ACAATTGGGG	GAAATCTGAA	TGTTTCCATA
313351	TACAAGATAA	CAGAATCAGA	TCTATTAATG	TGAATTTCCCT	GATTTCTGGT
313401	GCAGTTTTGT	GGTTATGTAG	AAGTGTTTTT	ATTTGTACAA	AATACACACA
313451	AAGTATGAGT	GGGGGACATT	GGGGTAGCAA	CTTATTCTCA	AAAGACTCAG
313501	GGACAAAATA	GTTCTTTATA	CTATTCCTGT	AACTTTTCTG	TAAGTATGGG
313551	ATTCAAAATT	AAAATAATAT	TTAAATATAT	AGGACATTTT	AGATATTATC
313601	CTTATAAAAC	TAAGCAGCTA	TGGCTGTATT	CTTTAGAGCC	CTTATTAGAT
313651	AGAGATAAAT	AATTAGAGGG	TACACAGCAT	AGTCTATAAT	TGATGGGCAA
313701	ATAAGTAGAT	GTGATAAAAT	GTATTTTTTT	ATAAATGAAA	GTTAAGCACA
313751	GGAAGAGGTA	ATAAAGGAAT	TTGGAGGATG	AGAGATTGAG	TTTGGAGGAA
313801	ATGGGCAGGG	GAGAGAAGAA	GAGCTTCTTT	GGTGTTTAAT	AGTTTTTCAT
313851	CAGCAAGGGA	GTCAGCCAAA	CACGTATTCG	GGATGTGACC	CCAAGCAGTT
313901	CAAATTTTGG	AACATTAGGG	AACCTTCCCT	CAGGACTCCT	GTGTCAAGGG
313951	ACCATTATCC	AGCCCCAAGA	GCACGTCCCT	GAGAGTCCGT	AAACCTGGAG
314001	TCTAGTCCCC	TATTTGTCCC	CAACTGCCAA	TTCAATCTTG	GGCAAAACAA
314051	CCTGTAAATG	AAGTATTTGG	ACTAAAATGA	TGTTTGACAA	TCCTAAAAAA
314101	ACTTAAAAGG	CTTTTGTTTC	TTGAAGAAAA	TGATAAAATT	TAGAAAGGAA
314151	ATGCACCATA	GAAAGAAATA	GAAAACAAAT	AAAAATATAA	TTCTTTTTAT
314201	TTGAGATAAC	CAGCTAACTA	AAGGAATAGT	TCCTGCCACC	CCATGTCCCT
314251	CTCTTTGAAA	AAGGAACAT	AGGAACCTTT	TTAATTTGAA	CAGCAGCAGG
314301	AAATACTGCC	TCCCTTCTCA	CATCTTAGAT	AACAGCAAGA	GAGTCCTCTT
314351	AAATTGAATT	TCTATTTTAT	AATCTAAAAA	TTCAAATGCA	TCATTGCAGA
314401	ATATAGTGTG	TTTTCCAAAT	ATCAGAATAA	ATTTACACGG	CAATATTCCA
314451	AGACTAGAAC	ACCTATAGCT	TTTCTGTGAG	CCTAAAATGA	GTTTGTTTAT
314501	GGAATGACTG	ATTTTGTTTT	TGACCCGTAA	TTTATTTAGA	ATGTATTATT
314551	TTAAAAATTT	CTCACATGTG	TAAATGTTTA	ATCTTTATTT	TTATTTACAG
314601	TTTCTAACAA	TTTTTATTGT	GGTCAGACAC	TAGATTTTAT	ATGAAACCAA
314651	TTATTCAGCA	TTTATTGAGG	GTTAAATTGT	CTAGCACATG	GTCAGTTTTC
314701	GCAAAATGTT	CATGAGAGCC	TGGGAAGAAT	GTCTTGCTCT	ATGTGTATCT
314751	ATTAAGTTCA	GCTTATTAAG	TATGTTATTCT	AGATATTTTC	TATCATTACT
314801	AATATTTTGA	ATGCTTCACT	TATCAATAAC	TGAGCAAGGT	ATATTTAAAT
314851	CCAGCATTTG	GAGAATATAT	CTGACAGTTT	CTCTTTGTAG	TCCTCTATGT
314901	ATTTTGTATTC	TGTTTTATTA	GATGCATGCT	CATTTAGAAAT	TCTTTTTCCT
314951	TTCTTTGTGA	ATTGAATTAT	TATGTAGTGA	CTTTCCTTTAT	CTCTAATAAT

315001 GCTTTTTTAA CTAAAATGT ATTTTATCA TATTAATATG GCTACCCCTAG
315051 ATTTCTTTTG GTTATTATTT GCCTGGTAGC TTTGTCAAAA ATTATTTTAC
315101 TTTCAATCTT TCAATGCCAT CATGTTATGG GTATATTTCT TGTAACAACA
315151 CCTAGCTGGA TTTTGTTTTT TAGTCAGTGA GTCTAGTCCA TTTACATTTA
315201 TTATAATTAT GAATGATGGT GGGTATTTAA GTCACAATTA AAATAATCCT
315251 TTTAGAAATG GTTTTAAACA GTATATTAAA CCAACATTTG CACTCAGGAT
315301 CCTGCCCAGA GTGAAGTGGG AAAGAGGGAA GTGCCATTGA CAGAAAGAGG
315351 CCTCAAGGC ACGTGCTCTA TCTGGGCACG CTGCAGGCTA TGGGAGCCTC
315401 TACCAGTTCA CCTGCCTGCT TCTGGAGAGA GAGCTGTCTT GTCTTTGCCC
315451 ACCTGATTCA GAGACAGCCA TTTGAAACAC TACACATGGA GAATTTTAAA
315501 CCTCTTTCTG TAAAATGTAT CCTTAATGAA GATTCCGGAT GCTTGTAGC
315551 ACCAAATGAT TGTGAAATG ACGATATTAA AGGTAAAATA CATTGTACCA
315601 TTCCATTCTT GCAGTGACTC ACACATATTT GATGTGCAGG GATTCTTAC
315651 ATTCACAAAA ATCATTTTCA GGGTTTCCTT AAACATATGCC TGTGTCTCT
315701 TAAGGCTTTC TGGTAAACCA GGTTTTCATG ATTATTTCTA AGAAATTACA
315751 TGTTTTTTCAC TCCCAGTGTG TCACTAGTCT CCTGGTGTCT TTTTTTTTTT
315801 TTTCAAATTC ATCCAGAGAA GTTAAAAAAT CTAAAATAGT ATCTTAACCA
315851 AGATAGAGCT ACAAATTTGT TTGAGGCTTC CAGTTTAAACA GAAATAGGAT
315901 TGCTATGCAA TTCACCACTG AGAAAGCAAC AATAACGTAC ATGATAGTAA
315951 ATAATACCTA GCATGATAAG AGGTGTGTGT GTGTGTATAT GTATGCATGT
316001 ATGTCTGTGT ATGAAATCCC CACTTAAATA TAAGAAACCG AAGACATAGA
316051 AAATTTAAGT ATTTTACTCC ATTCCGATAC TATAACAAAA TACTTCAGGC
316101 TGGCCAATTT ATACACAATA GGAATTTTAT GATAAATGAC TTTTACCTCA
316151 ATTTTTTAAAA AAGAAAAAAT ATATGTATAC AAAGAAGTGA CCAGGGGAAT
316201 TGGCCATATG AAAGTCATTG ATACCATAGT GAGAGTAGTT TCAGGGAAAA
316251 AGAGAGGGCC AAGACTCAAG AGGAGTGGAT TCAGAAAGAG TGTGCAGTAA
316301 AAAAGCAACA AACATAACTC TTCAAGAAG TTTTGTGGG AATAGAGATC
316351 AAAGTGATGG GTTGAGAAGG GGATGAGCCT TGGGGGATGT GGAGGTTAAA
316401 GGAGGTTTTA TTGTTTAGGA AAAGATATAG CAGGTCATGT GTGTACCCTA
316451 ACAGGAATGA TCTAGTAGAG GTAGAAAGTG ATTGTGAGGT AAAGAGAGAA
316501 GATGACTGCA GGAGGGAATG TCACTGTGAT GGTGACAGAG GCCAGGATCC
316551 AGAGCACTCA GGTAGAGTTT TGTCTTTGAT AGGAGCAGGG AGGATCCCTT
316601 AATTAGGCAC AGAAGAGGAG GCCAAGTATA TAGTTACTGA TCCAAATAAG
316651 TGGGCAGTTT GAATACTGGG AAAATGGAAT GTTTATGTGA TTGTTTTGGT
316701 TTTCCATTTC AGAAAAACAG TGAAGTCATT GGCTGAGAAC TAGGGTGAGG
316751 GTCCAACCTT ACATTCTCCT TCCACACTGC CCTAGTAGAG TATCTCTGTG
316801 AGGGCTTCAC CCCAGCAGCA GGCTTCTGTC TGAACACCAG GCTTTTGCCT
316851 ACATTCTCTG AAACCTAGGA AGATGCTTCC AAGCCACTTT CACTCTTGCA
316901 TTCTGTGCAC CTGCAGGCTT AACACCATGT AGAAGCTGCC AGAGCTTATG
316951 GCTTGCACCC TCTGGAGCTC TGGCCTAAGC TGGACCTCTT TGAACCAAGG
317001 CTGAAACCAG AGCAGCTGGG ATGTGAGGAG CAGTGTCCCG AGGCTGTGCA
317051 GGGCAGTGGG TCCCTGAGCC TGGCTCCTGA ACCCATTCTT CCCTCCTAGG
317101 CCTCTGGGCC TGTCATGGGA GGGGCTGCCA TGAATATCAG TGAATGCCT
317151 TTGAGGCTC TTCTCTAGTT TCTGGATATT TACACTTAAC CCACTTTTAG
317201 GTATGCAAAAT ATCTCTAGCA GGTGGTTGCT CCATAGCCTG CTTGAATTTT
317251 TCTCCCCCAA AAAAGCTTTT TCTTTCTTTG TCACATGGCT AGGCTGCAAA
317301 TTTTCCAAAC TTTTATGCTA TCCTTCCCTT TTAAATATAA ATTCCAAATT
317351 TTGTCAATTC TTTGCTCCAA TATCTGGACA TAGGTTGTTA GAAGCAGCCA
317401 GGACACATCT TGAAGGCTTT GCTGCTTAGA AATTTCTTCC ACCAGATACC
317451 CTCAATCATC ACTTTGAAGT TCAAACCTCC ACAGATCCCT AGGGCATAGA
317501 CAGAATGCAG CTAAGCTCTT TGGTAAGGCA TAACACCTGT GACCTTTGCT
317551 CCAGTTCCCA ATAAGTTCCT CATTTCCATC TGACACCTTG TCAGCCTGGA
317601 CTTCACTGTT CATATCACTA TCAGCATTTT GGTCACAACC ATTTAACCAG
317651 TCTCTAAGAA GTTCTAAACT TTTCTCATC TTCTCTCTT CTTCTGAGCC
317701 ATGTGAATTC TTCCAATTTT TGCCCATTA CAGGTTCCA AAGGTGCTTC
317751 CACACTTTCA GGAATCTTTA TAGCAATGCC CCTCTCCTTG GTATCAATTT
317801 TCTGTATTAG GCTATTTGTT GCATTGCTAT AAAGAAATAT CTGAGACTGG
317851 GTAATTTATA AAGAAAGAAG TTTAATTGGC TTATGGTTTT CCAGCCTGTA
317901 CAAGCATAGC ACCAACATCT GCTTGGCTTC TGGGAAGGCC TTAGCGAGCT
317951 TTTACTTATG GCAGAAGGGG AAGTGGGAGC AGGCATGTAA CATAGCAAAA
318001 GCAAGAGAGA GAGTGGGGAG GGGAGAGGTG CCACACTTTA GAATAACCAG
318051 ATCTTGTGAG AATTCAATTC CTATCACAAG GACAGCACCA AGCCATGAGG
318101 GAACAGCTCC CAAGACCCAA ACACCTACCA CCAGGCCCCA CCGCCAACAG

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318151 TGGAGATTAC AATTCAACAT GAGATTTGCA CAGGGACAGA TATCCAAACT
318201 ATATCAGTCC CTTATAATCC TTTTATTATT CTGATGCATC TGTGTGTATG
318251 TCTCCACTTT TATTTCTGAT TTGATTTATT ATTTGCATCT TTTCTTTTTT
318301 TCATAGTCTA GCTAGGGCTT TGTCAATTGT GTTTGTTTTT TCAAATGACC
318351 AACTCTTGGT TTGATTAATT TTTTCTATG TTTTATTTC CCTATTTATT
318401 TTTATTCTGA TCTTTTGCAA AAATAAATTA ATGGGAGTAT GTAAACTAA
318451 AAAGATTCTA CACAGCAAAG GAAACAATTA ACAAGGAAA AGACAACCTA
318501 CAGACTGGGA AAAAATATTT GCAAACCACA TATCTAATAA GTGGTTAATA
318551 TCCAAAATTT ATAAAACTC TTACAACCTA ACTGCAAAAA ACCAAATAAC
318601 TCAATTTTTA AAATGGCCAG AGGATCTGAA CAGATATCTC TCCAAAGATG
318651 ACATAAAAAA GGCCAACGGA TATGAAAAGG TGCTCAGGGT CACTAATCAT
318701 TAGGAAAATG CAAATTAAAA CCTATGAAAT ATCACCTCAC ACCCCTAAGA
318751 ATGTCTGTGA TCAAAAAGAA GAAATAACAA ATGTTGGTGT GGAGAAAAGA
318801 GAACCTAAT ATATACTGCT GGGGGACAGT AGACTGGTAC AGCCACTATG
318851 GAAACAATA TAGAGGTTCC TAAAGAAATT AAAAGTATAA CTACCAATGA
318901 CCCAGCAATC CCTCTTCTGG GTATATACCC AAAGGAGAAG AAAATACCAC
318951 CCCATAAAGA TATCTCCCAT GTTCATTCCA ACATTGTTC CAATAGCCAA
319001 GATATGGAAA CAATCTAAAT GTCTATCAAT GGAGAAGTGG ATAAAGAAAG
319051 TGTGGCATAT ATATACAATG GAATATTATT CAGCCTTATA AAAGGATATC
319101 CTGTCATTTG CCATAACATG GATAGACCTG GAGGACATTA CGCTAAGTGA
319151 AAAATAGCCA GACATAGGAA TAAAAATATT GCATGACCTC AATTATATAT
319201 GGAATATTTA AAAAAAAAAA GAGCTCAAGT ACACAGAGAT AGAGAATGAA
319251 ACAACGGTTA CCTCAGGCAG GGTGGTAGG GGAGAGGAAA TGAGGGAATG
319301 TAGGTCAAAG GATACAAAAC AGTAGATACG TAGGATGGAC AAGCTAGAG
319351 ATCTAATGTC AATATGAGGA CTAAAATTAA TAAAATTATA TTGTATTGGG
319401 AATTTTGTGTT AAATAAGTAG ATTTTAGCTG TTCTTGTCTT AAAAAAGTAA
319451 CTATGTGAGG TCATAGATAT ATTAATCTGC TTCACTATAG TAACCATTTT
319501 ATTATCTATA TGATCCCAA AACATCATGT TGTAAACCTC AAATATACAC
319551 AATAAAATTT AAAAATCAAA AATAAAATAT TTTTAAAG AATAAAGGAA
319601 AACATTTGAA TAGTCATTT TGGGAGGAAA ATAAACATAC TGGGGAAACA
319651 CGGTAAAGATT GCTGGGCAGT GCTGAGTGCC ATTCTGAATC AAGATTATCA
319701 TCTTAAATGA GAGACTTGGT ATATTTGGAT GCTTTTCTCC ATAAATATTC
319751 TCTTGTGTTG GTACAGCCAT GGAGTAGGTA TACGACTGAG TTTAACCATT
319801 AGGTCTTTGC CAAACAAAGG GAAAGGGGTG GAAAAAGTCA AAGGTATTTG
319851 CGAGATAATG GTTATGATGA TGGGCCATGA AATTAACGTG GAGGAGGTAG
319901 GTGAGGAGTG AGTATATGAG GTTACAAAAG AAGTGAGTAA TTATTATCAT
319951 GGGGGTAGAG TCGAAGTGAA GGGCACCATG AAGTGGAAGA TTAGCTGGTA
320001 AGTATGGTGG GAGGTCATTG AGGGGGTGAT TAGAGAGTAG GAGGCTTGAA
320051 ATCAATTTCA GAGGTCATGT AGTCATTGGC ACTGATGAGG TCAATTGATA
320101 TGATCATGGG AATGGGCAAC TCAGGTAGGG TAAAAGAAAT GATGGCTGAA
320151 TGCGAGGCAG TTCAAACCA GAGACAGCAA GAATACAGAA GTTAAGAATG
320201 ATGACAAGAG TACAAGGTGG AAGAAAGAGT GGGCTAGTCA CTGAAGTAAT
320251 CAGTGTATGA AGAGAATGAC CAGGGTTTGG TAGATGTCAG CAAAAGAAAC
320301 ACCTGGATTT TGTGGGGTG ACTGAGGTGA CTAGGGATGT TAGGCATGCT
320351 GGAATCAGTC CTGACAATCT CATGACAGAA GGTGGGAAAC TTATTGTGGA
320401 GCCTAGGGCT GCTGGTTTCT CCAGCATCTG GTGTTTTAAG ATCAGCATTT
320451 GAGTCCAAAC TCTACCACAC TAACTGTGTG AGCTTGTGAA AGGCTACGAA
320501 AAACCTGCTT ATTCTCATCT GTAAATGAA GACAAATGTT CAATGAATTG
320551 CCTAGTTCAT AAGGAGCATT TGAAATAATG AATGCAAAAG CACTTTGCAA
320601 GCTCTAAAGG GCTATAGAAA TGTAGTTAA AATTAAAAAT TTATGTCTTG
320651 CATTGTCTAG ACCAGCCTTT AAACCAGAGC TAGAAGAATT ACCTATTCAT
320701 CTCTTTATCG GCCACAATAC GTAACACATA TCCTATGATT TAGAGATTAC
320751 AAGCTTGAAT AACACTGAAC AATAAAAGCT TATAAAATGA ATGAGTCTGT
320801 GACTAATGTC TCCAATGTTA TTATCAACAT TACCATCATT ACTGTTAAGC
320851 ATTAATGCTT CAAAAATTGT GAAAAAGGC CGGACACGGT GGCTCACACC
320901 TGTAATCCCA GCACTTTGGG AGGCCAAGGT GGGCCTGTAA TGCCAGCACT
320951 TTGGGATCAC CTGAGGTCAG GAATTCGAGA CCAGCCTGGC CAACATGGTG
321001 AAATCCCATC TCTACCAATA TTACAAAAAT TAGCCAGGCG TGGTGGCAGG
321051 CACCTGTAAT CCCAGCTACT CGGGAGGCTG AGGCAGGAGA ATCGCTTGAA
321101 CTTGGGAGGC AGAGGATGCA GTGAGCTGAG ATCACACCAG TGCAGAGACT
321151 TCATCTCCAA AAAAAAAAAA TACACATCCT GGTTTTCTT TTTACCAAT
321201 CCATTGAAAT GAAGAAAAAG TAATATTTCT TCAAGTTAAA GTCACACAAA
321251 TATTTATACA CTTTGACCTA ATAATCTCAT TCCATAACA TTTTATCAT

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324451 GTTCCATCAC AACACGGCAA TGAAGGGGAA GTGGACAAGT AGGAAGACAG
324501 AGAAACCTGA GGGGTGTCCT GGCATTATAA CACCCACCCT TTGGGGAAAT
324551 AATCCATTCC TTCAAGAAAC AATCCAGCCT AGAGAGCAAG AACTCCAGAG
324601 CAGTAGCAAG CTATTTTTC AAGGTGCTCC CCATAATCCA AACATTTTCC
324651 ACTAGGCCCC ACCTCCCAAC ATCACCCTT TGGGGATCAA ATTTCAACAT
324701 AAGTTTTGGA GCAGGCAAA ATTCACACCA TAGCAGGGAG ATTCCTGCTA
324751 AACTGACTTA AGATTCCCAC TGGAGGAAGG CCAGGGTCAT CAGAGATTGA
324801 GGCAGGTGA TGAGGAATTT GATCAGATAC TGAGGGTGAT CAGCTATCAA
324851 ATGTGGGGTA TTCTCAATAA ACTGACTTTA CCAGAATTCT TGCTAAAAC
324901 GGGTTTGGCA GGCTGAAGAC AGAGCCAAGA ATGAGGCCTC ATAAAAAGA
324951 GGGTCAAAA GAGCCTGTCT AAAGTTTGGT CGAGGAGATA ATCTTTGTCA
325001 ATACCAAGAC CCACCCACT CCCTTCTCTG GGAAGACAAG GGGCTAAAC
325051 ATATCTATTG TTTCAGAACT GTCTGGGTGA ATTTGATGCC CACAGTACTG
325101 TTATTCACCTT TTCAGCCTCC TGCTGATGAC TGAGGAAACT AAGAGAGTTT
325151 CTTTATCTTA CTAACCTGTT TTCAGTGGTG CTGTGCTTCC TGCATGATGC
325201 ACTCTTTTAG ACCAGTGATT CCCACATTG AGCATGCATT CGAATCACCT
325251 GGAGTGCTTG TTGAAGCATA GATTGGTGA TTCCATCACC AGCATTTCTG
325301 ATTCAAGAGA TCACGGTTTC TAACATGTTT CCAGGTGGTG CCAGTGCCAC
325351 TGGTACCACA CAGAACAATT GTTCAAGACC TTTCTTTCTG TTGTCTCTCT
325401 TCTCCCCCTC CCTCTTTTTC GAACAGTGT TTGGCTGCTC TTAATTGGGG
325451 GCTTAATTAA TCTCACATCT TGGAAGGTGG TATGAGGACT TCCAAGAAGG
325501 GTCCAAAGAC TTCAAATGCT TCACAGTGAA TATAAGCAAG TAGTGACTGG
325551 GGTGGAGTGG TAGGTGAGTC AGTGTGAATA ACTTGAGAGA ACTTAATGGG
325601 CTTATTTTAA GGACAAAGGG GCATGGCCAC TGTGCCCTAA CACTCTATCC
325651 TGTGGCTTCA CTCTATCCC TGCCAGCAA CCAAAGGAAC CACCCAGGTG
325701 AACCCACAAT TTCTCTAGTG CTCAAGGGT ATGAACATCA CTCTCTGAG
325751 TTCCACAAC TCCCTTACAT TATAGAGAGG TTTTGGGGGC TGCACAAAAC
325801 TTCATTCTGC CTCTCCCAA AGCTAATGAT GCCATTCTC ACCCTCTCTC
325851 CCTGCATACT GGAGAATTAT TCCTGGCTGG GAGGCTGGGG GTCAGGAGCA
325901 TGTCTGTGCT CTCACAGCCC CTGTGTCTGC AGCAGGAAAA GCAGACCTCA
325951 AATACTGCTT CTGAGGTGG GATCTGAGAC TTTTCAGAA TTGGAACCTG
326001 AGTGTGTTTC CCAG

FEATURES:

Start: 3000
Exon: 3000-3169
Intron: 3170-53737
Exon: 53738-53903
Intron: 53904-83114
Exon: 83115-83233
Intron: 83234-106060
Exon: 106061-106125
Intron: 106126-107148
Exon: 107149-107275
Intron: 107276-125710
Exon: 125711-125860
Intron: 125861-125953
Exon: 125954-126032
Intron: 126033-128358
Exon: 128359-128444
Intron: 128445-135733
Exon: 135734-135853
Intron: 135854-138750
Exon: 138751-138844
Intron: 138845-142152
Exon: 142153-142264
Intron: 142265-144095
Exon: 144096-144097
Intron: 144098-144098
Exon: 144099-144210
Intron: 144211-201858
Exon: 201859-202019
Intron: 202020-216887

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Exon: 216888-216948
 Intron: 216949-246929
 Exon: 246930-247026
 Intron: 247027-322796
 Exon: 322797-323013
 Stop: 323014

CHROMOSOME MAP POSITION:
 Chromosome 3

ALLELIC VARIANTS (SNPs):

DNA Position	Major	Minor	Domain	Protein Position	Major	Minor
1139	-	G	Beyond ORF(5')			
1399	C	G	Beyond ORF(5')			
1872	T	-	Beyond ORF(5')			
1876	G	-	Beyond ORF(5')			
3180	G	A	Intron			
7590	T	A	Intron			
9315	T	C	Intron			
9572	G	A	Intron			
11004	A	G	Intron			
11379	-	A	Intron			
12478	G	A	Intron			
12486	-	T	Intron			
13904	A	G	Intron			
25445	T	-	Intron			
26805	T	A	Intron			
28010	G	A C	Intron			
28107	C	T G	Intron			
28107	T	C G	Intron			
28178	G	A C	Intron			
28356	T	C	Intron			
29535	A	G	Intron			
31808	C	T	Intron			
32807	T	C	Intron			
34531	A	G	Intron			
35318	A	G	Intron			
35463	T	C	Intron			
35477	C	T	Intron			
37050	A	G	Intron			
37470	T	G	Intron			
37481	G	A	Intron			
37499	A	T	Intron			
40178	-	A G	Intron			
40178	G	A	Intron			
40787	A	G	Intron			
44582	G	A	Intron			
45615	C	A	Intron			
46091	C	T	Intron			
47844	T	C	Intron			
48013	G	T	Intron			
48072	T	A	Intron			
50802	G	T	Intron			
53305	G	A	Intron			
53379	T	-	Intron			
56233	A	G	Intron			
56453	G	C	Intron			
59300	C	T	Intron			
60998	G	A	Intron			
63013	G	A	Intron			

63293	T	A	Intron
64181	C	T	Intron
64191	G	A	Intron
68992	A	C	Intron
76246	T	C G	Intron
77368	A	G	Intron
78043	G	A	Intron
79395	A	T	Intron
79474	A	G	Intron
79992	G	T	Intron
81065	T	C	Intron
81350	C	T	Intron
81474	G	A	Intron
82037	A	G	Intron
83258	G	A	Intron
83790	G	A	Intron
86565	C	T	Intron
86707	C	T	Intron
87243	A	- G	Intron
87243	A	G	Intron
95967	A	G	Intron
96374	T	G	Intron
100283	T	C	Intron
101074	C	- T	Intron
103767	T	A	Intron
104082	T	G	Intron
104473	T	C	Intron
105573	A	G	Intron
105668	C	T	Intron
106657	T	C	Intron
106855	G	T	Intron
106957	T	-	Intron
107957	G	C	Intron
108454	G	T	Intron
109894	G	A	Intron
110467	A	G	Intron
110538	C	T	Intron
113089	A	G	Intron
113964	A	G	Intron
114354	T	G	Intron
120163	C	T	Intron
124748	T	G	Intron
127581	C	T	Intron
128202	T	G	Intron
128496	T	C	Intron
130108	T	G	Intron
132240	T	A	Intron
133120	C	T	Intron
135891	T	C	Intron
136385	G	C	Intron
137408	C	T	Intron
141673	-	T	Intron
141688	T	A	Intron
141736	G	C	Intron
141982	T	C G	Intron
150406	G	C	Intron
150903	G	C	Intron
152612	T	C	Intron
153900	G	A	Intron
158595	G	T	Intron
162718	-	C	Intron
164528	G	A	Intron
165214	C	G	Intron

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166052	C	T	Intron			
170782	T	C	Intron			
171439	C	T	Intron			
175068	-	T	Intron			
178314	G	A	Intron			
179835	G	A	Intron			
186140	G	A	Intron			
186541	-	C	Intron			
188058	G	T	Intron			
188593	A	C	Intron			
192900	-	A G	Intron			
193005	A	T	Intron			
195888	C	T	Intron			
196643	T	C	Intron			
198793	G	A	Intron			
204566	T	A C	Intron			
206094	A	T	Intron			
209224	T	A	Intron			
211364	G	A	Intron			
211561	A	G	Intron			
212346	G	T	Intron			
216030	C	T	Intron			
216597	C	G	Intron			
218212	A	C	Intron			
225907	-	G	Intron			
229343	G	A	Intron			
230880	G	A	Intron			
230881	G	A	Intron			
231039	T	A	Intron			
231100	T	A	Intron			
231711	C	T A	Intron			
232431	C	T	Intron			
232503	G	A	Intron			
233364	A	G	Intron			
233423	C	T	Intron			
251180	C	A	Intron			
251291	T	C	Intron			
256969	-	T	Intron			
260787	A	G	Intron			
261903	-	T	Intron			
262224	T	C	Intron			
263740	C	T	Intron			
283403	A	C	Intron			
285709	T	A	Intron			
288934	-	T	Intron			
288954	-	T	Intron			
292710	G	A	Intron			
295600	G	A C	Intron			
295679	T	C A	Intron			
296323	T	G	Intron			
299119	C	T	Intron			
300404	T	G	Intron			
303906	G	A	Intron			
304170	-	G	Intron			
304657	C	T	Intron			
304771	C	T	Intron			
312311	G	T C	Intron			
313434	T	C	Intron			
313997	-	G	Intron			
322343	T	C	Intron			
322893	C	T	Exon	606	D	D
322905	A	G	Exon	610	K	K
325770	T	C	Beyond ORF(3')			

FIGURE 3, page 107 of 141

Context:

DNA
Position
1139

TATGCCAGGAGGTATGCCAGGGATTGGGGATGCAGAAATAAAGAAGATGTGTTGCGAGTG
CCCAAGTTCACTCAAACCTCGAGGGGGAGCGTGTGTCAAGTGAACAGATAGTTCTAGAA
TCTAGACAATGCGACACATTCTTGGGTAGGTTTATGGTTGCGCAGAGGAGACTAATGGAA
TGGATGACCTAAAAGTGGACTGGGATGGGGGTGGCAGGGCTGAGTCTGTGAGGGTGGGCG
GGAGGGAACCTAGTCCCAGAGTCTTCTGCAGCCTGGACCAGACTACTTAAGCACTGCTGG
[-, G]
TTTAGACTGTCCTTTAAAATAAGAGCCGCTAGAAGTGAACCTTCTCATTCTGTCCGTCCCT
AATTCTGTCCTTCTCTAAAAGGAACCTTAATCTCATCTTTAAAATAAGGAGAATTACTGA
GTGACCTGAAGGACCCTTTTCAGCTGGAAAAGTCTGTAAGTCCATATATTTATTTGAACAG
CTTAGTATGGCCAGACGGCATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGT
ATATTTAGAGGCCTGCTCTCTAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGA

1399 GTCTTCTGCAGCCTGGACCAGACTACTTAAGCACTGCTGGGTTTAGACTGTCCTTTAAAA
TAAGAGCCGCTAGAAGTGAACCTTCTCATTCTGTCCGTCCCTAATTCTGTCCTTCTCTAAA
AGGAACCTTAATCTCATCTTTAAAATAAGGAGAATTACTGAGTGACCTGAAGGACCCCTTT
TCAGCTGGAAAAGTCTGTAAGTCCATATATTTATTTGAACAGCTTAGTATGGCCAGACGGC
ATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGTATATTTAGAGGCCTGCTCT
[C, G]
TAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGAAGGGAAAAAGAAAAGCTGGT
AACTAATCTCACTGGTATTAGGTACAACCTAACTGATTACATACATTTTAAAGAGGAAAAT
GTTGTAAATGGGCATTTACTTATGTTCTGTTTTGAGGATTTTTGTGGTTAATTGCCCTAG
TAGTTTTTGTGTTGACGGACACCACCGTAAAGCCCATTTGACCATCCTTAAAAACTAG
GTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTAGGCA

1872 TGCCCTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTGACCATCCTTA
AAAAGTAGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGG
TGTAGGCAGTTTTCAATTTAAAATGTTATTTCTATATAGATTTAAAACAAAAGCACACTT
TTCTTGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGT
CCTACTCATATGAAACAGTCTGCCTTTCTTTTTTTTGTTTTTTGTTTTTGTTTTGTTTT
[T, -]
GTTGAGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCA
AGCTCCGCCTCCTGGGTTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTG
CAGGCGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCCTGTGTA
GCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCCTTGGCCTCCCAAAGTGCT
GGTACTACAGGCGTGAGCCACTGCGCCCGGCTAAACAGTCCTGCCTTTCATAACTGCCA

1876 CTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTGACCATCCTTAAAAA
CTAGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTA
GGCAGTTTTTCAATTTAAAATGTTATTTCTATATAGATTTAAAACAAAAGCACACTTTTCT
TGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGTACCTA
CTCATATGAAACAGTCCTGCCTTTCTTTTTTTTGTTTTTTGTTTTTGTTTTGTTTTGTT
[G, -]
AGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCAAGCT
CCGCCTCCTGGGTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTGCAGG
CGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCCTGTGTA
GGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCCTTGGCCTCCCAAAGTGCTGGTA
CTACAGGCGTGAGCCACTGCGCCCGGCTAAACAGTCCTGCCTTTCATAACTGCCACGTC

3180 ATCTTTTAACTTTTTCATCTTTAAGGAAGTACCAACACTGGATGAATTTGACCATTCTT
AGGAGACTGGAATGTTAAGTTTCTATAAATGAATGAACAGTCTCTCTGTTTGGAGCA
ATGCTGAAATTCCAAGAGGCAGCTAAGTGTGTGAGTGGATCAACAGCCATTTCACCTTAT
CCAAAGACCTTGATTGCAAGAAGATACGTGCTTCAACAAAAACTTGGCAGTGGAAAGTTT
GGAAGTGTCTATCTGGTTTTCAGACAAGAAAGCCAAACGAGGAGAGGAATTGTAAGTAAAA
[G, A]
TGCTTCCTATGAATCTTGAGTAGGCTGCTTTTTTGTGTTGTCAGGTCTTAGCTGATTAGGAAC
ATGGAGCAGGCCAGGTATGGTGGCTCATGCCTGTAATCCCAGCACTGTGGGTGGCCAAGG
TTGGCAGATCACTTGAGCCGAGGAGTTCAAGACCAGCCTGGCCAACATGGCAAAACCTG
TCTCTACTAAAAATACAAAAATTAGCCAGGCAGGGTGGTACATGCCTGTGATCTCAGCTA

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CTTGGAGGTTGAGGCACAAGAATTGCTTAAACCCAGGAGGTGGAGGTTGCAGTGAGCCGA

7590 GTCTAATTATGTTGTCATAGTCCATAAAAGATTGTGCTAGTTCTTATTCATTTTATTTTA
TAGTATTGTTAAATTGTCAAAGTATCTTTTCAAAAAATCAAACCCAAAAGATTTGATCAG
CCCAGAAATTACTTTGGCCCTTAACATTAGCATAGTGCATGTAATTTAATAGAAAAGAGA
TATTAAGGAAATAGGTTTACCCTAAAATACATGATTAACTTGAATTAATCATGGCCAC
AGCTACAGTGAATTTCAACATTCATCTTATCAGCATAGAATGTTGGTTATAATGATTTTT
[T, A]
AAAAATTTATCACATTTAAGATATAGTGATCTTACTATGCAGAGTTGATTTTTATGCTGTT
GTCTGTTTTAGTCTGTCAACTATGAAGTATTTAATACAATTTAAATTTTTTTTTTTTGGAG
TCGGAGTCTCGATTGTCACCCAGGCTGGAGTGCAGTGGCGCGATCTTGGCTCACTGCAA
GCTCCGCCCTCCCGGCTTCACGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTAC
AGGCGCCCGCCACCACACCCGGCTAATTTTTTGTATTTTGTAGAGATGGGGTTTCACC

9315 TTCTGGAGAAGCTGTATATCTAATGAGAAGTGAATAATAACCAAAATAAGCAGGTGGAA
TAATTGGGCAATTACTCGCTTAAACAGGTAAGGTCTCTTCTAAGAACTTGACAAAAT
GGAACAGCTGTATGTACATTCTAAGTGGCTATTGTTGTTGGGAGCCCTAAGACCCAGTGTT
TATCTACTAAATAGCTCTGGATGCACCCCATACAAATATTATAGGGTACCTCCTTTCC
CAATATTGAAAGTAATGTGTATACACTTTATAAAAAGTTGAGATGTGCATAAAGAAGCAG
[T, C]
AAAATAATCTATAATCCTGCCATCCAACCTGTGGTCTTTTCTGTATGCACTGACAAATAT
TCAGTCTTTTAAACGAAACATGGCATTGGTCTAGTCATTGCCTCTGAGAGGAGATAGGAA
GAGAAGGAGACTTCACTTTTCACTGAACCTTTTCTGTGCATTTGGAATTTTGTATCATGT
GCAAGACTGAAACAAAACAAAACCTATAAAATAAAGTGAAAAAACCCACATATTCATTCA
ACAAATACTGGTCACCGTTTACTGGTCATCTGGAGCTTGAGTCTGGTACAGTGATTCTTA

9572 TGTATACACTTTATAAAAAGTTCAGATGTGCATAAAGAAGCAGTAAATAATCTATAATC
CTGCCATCCAACCTGTGGTCTTTTCTGTATGCACTGACAAATATTCAGTCTTTTAAACGAA
ACATGGCATTGGTCTAGTCATTGCCTCTGAGAGGAGATAGGAAGAGAAGGAGACTTCAC
TTTTCACTGAACCTTTTCTGTGCATTTGGAATTTTGTATCATGTGCAAGACTGAAACAAA
ACAAAACCTATAAAATAAAGTGAAAAAACCCACATATTCATTCAACAAATACTGGTCACC
[G, A]
TTTACTGGTCATCTGGAGCTTGAGTCTGGTACAGTGATTCTTAACCTTGGCCAAACAGTG
GAATCACAAATTTAGAAAGTACAGATGCTTGAGTCATACTCCAGTGAATTTCTGTTGGT
CTGGGGTATGGCCAAGGATTTTGTAGAATTTCCAGGTGATTATATGTGTCACTAGACTT
GAAATATCTCAACTGGAGATAAAACCTTACTTACATAATCATAAATAATTTTAGCTGCA
ATAACTTGTGAAAGAAAATCTTGGTCTTGTGAGGTACAATAAAGTATCTTTGCTTGC

11004 CCTCTGCATAGCTGGGATTACAGGCACCCACCACGCCCAGCTAATTTTTGTATATT
TAGTAGAGACAAGGTTTACCATCTTGGCCAGGCTAGTCTCAAACCTCTAACCTCGTGGT
CCACCTGCCTTGGTCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCATGCCAGCAT
GAATAATAATCTTACTAAATGTGTGGGTTTTTGTAAATATAAAAATACACTTTCAATA
ATTAGATTGTGACTGTAATTTCTGCCATTTAATAGCTGATCGCCTTTAGCAAAGCTAAT
[A, G]
TTTATATATTGTACCTACTAATACCTATTTATGGATATTTCTGTCTGATTTATTTAATCA
TTTTAACATATCTTACTTTCAATTTTGTAGTCATTTTAAACAAAACATCAATAGATTAA
TGAGTCCAACCTTTGAACTCAATCTATGTATTCTTATTAAGCTACTATTTCTATATTATG
TCTAGGAGTTCTCTCCAGTGGTTATCTGTGATGGGATAGTGGGTTTATTGAGTGGGACGA
GTTAATTTAATAGGATTGAGTGGTTTACGCCGTGGAGAGTTATGAAACAATTTGGAAGA

11379 TACTTTCAATTTTGTAGTCATTTTAAACAAAACATCAATAGATTTAATGAGTCCAACCTTG
AACTCAATCTATGTATTCTTATTAAGCTACTATTTCTATATTATGTCTAGGAGTTCTCT
CCAGTGGTTATCTGTGATGGGATAGTGGGTTTATTGAGTGGGACGAGTTAATTTAATAGG
ATTAGTGGTTTACGCCGTGGAGAGTTATGAAACAATTTGGAAGAACTAATGATTTCT
TTCTATTTTGCCTTGCCAGACCTCAAAACACAGTTTCTTTCAAGTTTCTCACAGTTAAAAA
[-, A]
AAAAATCTTCTGCTTATCTTTTAAAGAGAAAGTATAACATGAAAGCATATTAATATATTA
AAAATTTTAATACTAAAATTAATATTAATAACAGTTCAGATTCTCGGAATCTTGTGCTTA
GGTTCCTCTAGGTAAATATAGAAAGAGTACATTGAACTTGGACTTCACTTTGGGCTTTG
TCAGTTCTCTGCACACAATAAGGTCAAGCCTCTGAGCTTCTGCCATCTTATATTTAAG
TTTGGGAGATGGAATGGATAAGGAGAGAAGAAATGCAAGGGCACATAGTTACTTTGATT

12478 GCTAATGGTTTGGCTAACACTGAATGACATCCCATGAAATATGGAATAGCATTTCTTCATT

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TAAATGTATGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATG
TAATTGGATATGCTGATCCCTTTACATTGTCTATTGTTGACTTCCTAAAATTTTAAAGTG
CAAGATTTTGTGTTAAGCCTATTAAAGTTATTGTATCTCATTATTCAATAAAATAAAGTA
TTTTAGGATGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGTA
[G, A]
TTTTTTTTCTTCCCCTAAAAGGGCTTTTTTCATCGAGATGTTTTATAATAAAAAGTGAG
CTGATTTTTAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTG
ATGAATATTAGAATATTAGTCTAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAAAC
ACCCTCAAGTATAATCTGTAAGTACCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTT
TGGGGAGAATATTTCTCCAACAACCTTTGGTGCATCCGGCAGCCAGCTCTCTTCTCTGG

12486 TTTGGCTAACACTGAATGACATCCCATGAAATATGGAATAGCATTCTTCATTTAAATGTA
TGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATGTAATTGGA
TATGCTGATCCCTTTACATTGTCTATTGTTGACTTCCTAAAATTTTAAAGTGCAAGATTT
TTGTGTTAAGCCTATTAAAGTTATTGTATCTCATTATTCAATAAAATAAAGTATTTAGGA
TGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGAGGTTTTTTT
[-, T]
CCTTCCCCTAAAAGGGCTTTTTTCATCGAGATGTTTTATAATAAAAAGTGAGCTGATTTT
TAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTGATGAATAT
TAGAATATTAGTCTAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAAACACCTCAA
GTATAATCTGTAAGTACCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTTTGGGGAGA
ATATTTCTCCAACAACCTTTGGTGCATCCGGCAGCCAGCTCTCTTCTGGCAGACAGC

13904 AAAAAACACCCCAAAGTTTAGTTATTAAGAAAGCAAACTAAGCCTGATGAAATGTGT
GGGGGTGATGGATATGCTCATTATCATGATTGTAGAGATGGTGTCTGTTTCATGGGTAT
ATACATATATCAAATTTGGCAAATTATACACTTAAATATGTGCAGTGTATTATGTCAA
TTGTACCTTAACAATTGTGTTTAGAAAAAGCAAAACCTGTACCATGATATATGAAAC
CCTTAAGATTGTTAACTGGCTGAATTTGCAGTTACTAATGATAATCATTATGAACTTG
[A, G]
TACTTTTCAGCTGAGTGCTGCTTTTTAATCTTGGGTTCATACCAGCCAATTTTATTGTTTT
TAGCTCAGAGAAAAATCATAGGCTTTGTTTTTGGTACCTTTATTGGGCAAGTGAAGAAGG
AAGATCAAATGTAGTTGATAATATTGCTCTACATACTAGGTTTCCAACCTTTCTAAGAGT
GGAAAATTTGGAAACATTGAATTTCTGATTAGAATGTGTTTGGGTGTCAATTTTCTCAGTC
TCTCCCATGAGCAGTCACTTAGCATTTTAATTAAAGTTTGGTTGATGTTTCCACTTC

25445 ATGGAGTAGAGTAAACATTTGCATGATTTTTGACTTTATAATATAATTTTTGATAGGTT
ACACATTACATGGCTCAAAAAACATCAAAAGATCAAGTTTCGAGTTTCTCCTCATCCTT
CTCTCCCCTTTTTTGAGTTCTCATCCTCTTCCCCAAAAGGTAACCACTGTTAAGAGTTTC
TTCTGGATCCTTTTGAATTTGCTTTATGCACACATTAGCACTTAAGAATACAGAGTCTT
ATTTTTCCCCTTTCTGATAAAAGCTAGCATATTATACACTTCTGGTTTTTTTTGTTTTTT
[T, -]
TTTTTTTTTGCTTTTTTCATATGACACAATATCTTGGAGATATTTCCATGTTAGTGTGTAG
AACATTTCCCATTCTTTTTTTTTTAAACAGCTCAATAGCATGTTCCATGGGTGTGGTTGT
AGTATAATTTATTTAACCATTTTCTGTTTCATGCGCATTTGAGTTATATTAAATCTTTTC
TTATTAATAATATCACTGCAGTGGATAACCTGAACATTTGTCAATTTCAAAACATGCCA
CTATTTCTTGATGAATTTTTAAGATAAAACATAACATTTAGAAATGTGCTGTTTTTAG

26805 GAACAGTAGATGGTGGTAATGTAACATGCAGACCAACTATTAAGACATGTCAACATTTCC
AATGGCAGCATTAATTCAAGGTCGAAAATGTCTTAATTTAATTACAGTCTACCAGTACTT
TTAATTTCAACGGCTAAATTAATAAAAGGCTAAACATAGGTATTTAACAACTTTTAATT
TCTCCCTAGGAAAAGCAGAAATTGGCTGAGAAATAAATCTGAAGAAATCTTTTATCTTC
ACAGACCATTGTAAGTGGCATGAGCCAGATCTGGTTTTTCTTGCCATCCATGTATTAGAT
[T, A]
GATGTTTCTAGCTTGTGTGTACACAAAGGTATATGTGTATTCTTTCTTTTTTAAAGAA
AAAGGCATCAATTTAACCAAACCTTAACCTCTCCAGTGTCCATGAGAATGGCAAAGAGCAGT
TTCACTCTGAAGCATCTGAAGCAGCCACCGCTTTGTACTCCAGGAACGACATTTGGGC
TGAAAATAGGATGTGAATGCCAATAGCTCTATTAGAAGGGCCAATGGGATGAGAGATCAG
GGTCTCTTAGAAGTTGAGAGGGATCTGAGCCACTTCCATTCTTTGAAGTCTATTTAACT

28010 GATGATAAATCTAGAGGAACTGCAGGGAGTGGAGGTTCTTCCGTGAAGGATATCTCAACT
TACCTGATGGAGGGGAACTATGGCTCATATCTGCAATCCCAACATTTGGGAGGCTGAGG
TGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGCCTGGCCATTATGGTGAACCCCTG
TCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGGTGGCACATGCCTGTAGTCCCAGC

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TGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCTGGGATGCAGAGGTTGCAGTGAGC
 [G, A, C]
 TAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAATAAATAAATAAAT
 AAATAAATAAATAAATAAATAAATAAATAAATAAATGTACCCGGTAGATATGGAATTGCT
 GAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTGATGGTTGTACCTTAGTTGGTGAA
 ACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTTTACCCTGCTTTTT
 CCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTTCTTTCCAGATGTAGCAGAAGGA

 28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
 CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGG
 TGGCACATGCTGTAGTCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCT
 GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
 CTGCCTCTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
 [C, T, G]
 TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTG
 ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGG
 GCAGTTTTTTACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
 TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
 TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGG

 28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
 CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGG
 TGGCACATGCTGTAGTCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCT
 GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
 CTGCCTCTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
 [T, C, G]
 TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTG
 ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGG
 GCAGTTTTTTACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
 TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
 TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGG

 28178 GGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGGTGGCACATGCC
 TGTAGTCCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCTGGGATGCAGAG
 GTTGCACTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAA
 TAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
 ATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTGATGGTTGTAC
 [G, A, C]
 TTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTTTTC
 ACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTCTTTCCAGAT
 GTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGACCA
 TGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGGCAGGAAGGGG
 TCACTTTGATTTGAAGACCTATCTATCTCTCAGGTCCCTGCAGTAAAAATAGAGACGCG

 28356 AATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATGTACCCGGT
 AGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTGATGGTTGT
 ACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTT
 TTCACCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTCTTTCCA
 GATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGA
 [T, C]
 CATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGGCAGGAAGGG
 GGTCACTTTGATTTGAAGACCTATCTATCTCTCAGGTCCCTGCAGTAAAAATAGAGACG
 CGGTTTATATCAGCCAAGTGCTTAATGCAATAGAATCATTTAGTCTGTAAAAATTAGGAA
 GTAGTGTCTACTATAAGTAATGTACAATGTGAATGTCTTCATTGAGTCTTTGGTCAATGG
 ATAGATTGCTGACAATGTGAGGCACTGTTTCAGACAGTGAACAAAACAAAGTCTCTGTTC

 29535 TCCAGTAGCAGGATACAGTATTCTTACTTATGTTTATGTTTCTGTGTCTGGGCAATAGTG
 CAAAGAGACCAAGTATACTGTGTGTTAATCAGTTCCTTTTTCTGGAGAGTTGGAACCAT
 TTTACAGGGGAGTAAGGCATGAATGAGGTGGGGAGAAGGGGTAAGTTGGGTTTTCTCCG
 AAGGGCTTCATTTTACTGCTTGAGATCAGTGAAGACTTTCACCTTCAGGTCTCTGGGCT
 GGTTCGTCTGTCTCTGCCTCATTGTGTGTTTCTGCTCTGCTGAAGAGATTCACACTGG
 [A, G]
 ATGAATGGGCGCTATGGAATTGGAATAGAGAGATCTAGATGGTTGCCCATCTCTCCCTC

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TGTAGACATGGTCTCCTTGCCTATGTTAGGAGTTAGGTGTTTTTCAGAGAGACTGTGTTTT
CCAGATTTTCAGCTTCATGCAGTGCCTGAAGATATTTTATTCCTCTAGCAAGGGTCAGGAC
ACTCACTGTGTTTTTCCCTTATCATGGTTAGATATGAAGGACCTCAGGGGAAATCATCCA
CTTGGGGCCGAAAAGCATCCAGACACTCTCATTTTGGTTTCTCCTGGGGAGCTCATGGTT

31808 GATATGCGGCGTTATTTCTGAGGGCTCTGTTCTGTTCATTGATCTATGTCTCTGTTTTG
GTACCAGTACCATGCTGTTTTGGTTACTGTAGCCTGTAGTATAGTTTGAAGTCAGGTAG
CATGATGCCTCCAGCTTTGTTCTTTTGGCTTAGGACTGACTTGGCGATGCGGGCTCTTTT
TTGGTTCCATATGAACTTTAAAGTAGTTTTTCCAATTCTGTGAAGAAAGTCATTGGTAG
CTTGATGGGGATGGCATTGAATCTAGTTTTAGAGAGAGCGATACCAGCCCCAGATTAGAG
[C, T]
TGCTTGGACATTGAGGAATCTCCCTTTAGGCTGAGGACTAAAAGAAAGCTGTGGGTGTA
ATATCTAGATACTGCATGTCATTGTATTTTATGTAAATACAACCCATTGACTTATCTTCA
TCTCTTTATGCCTCAAGATATCACAGTTCCTTAAGAGATTCACTACTACAGTCAACTTTA
TGCCTCAAGATATCACAGTTCCTTAAGAGATTCAATAACAGTATAGACAAGAGAGGGA
AATCAGCCCTAATTTTAGCTGCTAAGATAGTCATACCTATTAGCTCTCCATCCTCACAG

32807 GAGGTACTTTTATCTGGAGCTGGAGAATAGAATACAGAAAGAAATTGTATATGGTAATAG
TAGCATGGTGTATGCATATGCCAAACCCATCAAATTGTATACATTAAGTGTGCAGGTTT
TTTGGTATATAAATTATATCTCAATAAAGTTGTTATAAAGAGGAGAAATATGTACATTAA
TTTTTGTGTTTTACACATATTTTTGATGTTACTGTAAACTATTATGACTTAATATTCAT
ATTTTCTGAACTTTAGAAATGTAACCCATAACAAATAAAACCTGGTTTTGAACATGTAA
[T, C]
AAAAGTCCCATCAGAGGCACACCATTGATGCTCTTTAAATGTACAGATATGTGCAT
TTAATTATTCATATAGCCCTTTCAAGAAGCCAAATTAAGCTCCATCTACATAGTGTGAA
GTATATGCGTTTAAATGGACTTGTATCAAAGTATGCACACAATTGACTCCCATTGTCATTG
ACAGATGATGTTTTAGTTCTTTTAAAGTGTCTGTAGCCTCCTTGACTTCCCCATCTGCA
ACCACCATCTTGCACCTCTTTCAGAGAAGTACTGTATTGACAGACACATAGAGGGTTGA

34531 TGTGCTTATTGGCCATGTGTATATCTTCTTGGAGAAGTGTATTTGTTGTTTTTATATT
CCCAGTCCCCCATCCAGAACTGGGCATACTGTAGGGACTCAAAAATGAAAGTCATAAATC
ACTTGTAGCAGAATCACCTACAGCTCCGAGAAGTCAAGTGAACCTGCTATAGATCAAAC
TTTCCACACTTAGGCCTAGAGATCTACATTTAAACAAGATCCTGGGGGTCCTGTTTCACT
CTGAAGTTTGTAGTAGCATTGCCTTAACTAAAGATTTTTTAAACATCTGAAGAGCTTCAGT
[A, G]
TATTCAGAGGTAAACATGATCTATGCTGTTCTAGACTGCAGAAGTGGGACTAGCAGACAA
GAATCACAGGCAGGAGCACATTGCCTCATTAAGTGGTGTCAAGTTGAGTTTAGCTGGCCC
ATCTGCCACAGAAGGAAGTCTTGCATTGGGTAGAATGTAGGGCAGGTAGGGCAGGATGTA
GTCTTTCTGGGGATGTTATGCTATTTCTATACCTGGTAGACCCCATCTAATTTTTATCT
GCCTTATGATCAGATAGTGTATCTCGGTGTTGGCTATATATAAAATGACAAAGTCTCTTC

35318 CTTAGCATATTGACCGGAGCCCCAAAAGGAATTTATTATAAATTTAATGGGTGGGTACAG
ATTACCAAGGATTTCTGGAGGGCCAGACTAAGGACAACCTCCCTGCCATCACTGGTGCT
GGGGCCCATGGCACTGCTGCCTAGGAAGTCCATCGTGTGCTGCTGCTACCACCACAGTG
GCCTTCTTGAGGCCCCCTCATTTCTGATGTCATCAGCACCCAATTCTGAGTCCAGGGCATC
AGACTGTAGCGTACACCATGTTCAATCAAAAGATAACTGAGTTGATAACGAATGAATTCA
[A, G]
TGGGCACTAGTAACAGTAGGCACCAAGAGCAAGTAAACAAGTAAAAACAAACAACAA
ATAAAACCCAAACCCCTCCTTAGGAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAA
AAGAGCAAGTAAACAACATTTCCCTATACCAAGGAACACGATTTAGGGTGACAGAATG
TGTGTAGCAGTATAACTACAGTGTGTGGAGTAATTTTCATATTGTTGTGTAAGTTGGGA
ATAGATGTACATGGCAGCTCCTATTTTCCCTGGAAGTCTGATCACCACAAAGGTATTCA

35463 AACTCCATCGTGCTGCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCCCTCATTCTTG
ATGTCATCAGCACCAATTTCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAA
TCAAAAGATAACTGAGTTGATAACGAATGAATTCAATGGGCACTAGTAACAGTAGGCACC
AAAGAGCAAGTAAACAACAGTAAAAACAACAAACAAATAAAACCCAAACCCCTCCTCTAG
GAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAAAACCTGTTAGGCAACAACATTCCC
[T, C]
ATACCAAGGAACACGATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGT
GTGGAGTAATTTTCATATTGTTGTGTAAGTTGGGAATAGATGTACATGGCAGCTCCTATT
TTCCCTGGAAGTCTGATCACCACAAAGGTATTCAACCTTGTGATCTGAACCGGAGAACC
TTCCAGGTTAAAGGCTAAAAATGCCTTTGCAGACTTTCTCTCTGCTGCCCCCTCTCAT

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ACTGTAGCCTGACTTTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAA

35477 GCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCTCATTCTTGATGTCATCAGCACC
CAATTCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAATCAAAAGATAACTG
AGTTGATAACGAATGAATTCAATGGGCACTAGTAACAGTAGGCACCAAAGAGCAAGTAAA
ACAAGTAAAAACAAACAATAAAACCCAAACCTCCTCTAGGAGCTTACATTTTA
GGGAAGAGCTGAGGCACAAAACCTTGTAGGCAACAACATTCCTTATACCAAGGAACA
[C, T]
GATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGTGTGGAGTAATTTTC
ATATTGTTGTGTAACCTTGGGAATAGATGTACATGGCAGCTCCTATTTTCCCTGGAACCT
GATCACCAAAACAGGTATTCAACCTTGTGATCTGAACCGGAGAACCTTCCAGGTAAAGG
CTAAAAATGCCTTTGCAGACTTTCTCTCCTCTGCTGCCCTCTCATTACTGTAGCCTGACT
TTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAGATACCCATTTGAA

37050 TGAATACAAGACAACCTCTTGAGGGGCAACTGTCTTTTTCTCAGATGTAGTAGAAAGGAA
GGGGACAGAGTGGGAAACAGAAGCAAGAAAAAGGATACAGAGATAGGATCATGAATAGAG
GAGGTGGATGGGTCAGGTTTGGGAATAATGATTAAATACAGTCCCGATAGATAGGGTCCAG
TTGATAGAATACCTTGAACCTGGAGGCTTAATAAGTTTTGTCTGATGGGGAATACAAGAGA
AGATCTTTAGCAAGAGAGTGACATAAAAGTAGTATTTGAAAAATGATTATCCTTGAGCTT
[A, G]
AGGAAATCATAGAGTAACCTACCAGCCAGGAAATTTACTACAAGTGTAATAATTACCCGTA
TGACCTAGCAATTCCATTCTAGGTACATACCCAAAAGACATAAAAAACATATATCCACTC
AAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAACA
ACCCAAGTGTCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACATAGA
ATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCT

37470 CAAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAAC
AACCACAGTGTCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACAATAG
AATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCT
TTGAAAACAATATGCTAAGTGAAGAAGACAGTCACAAAAGACTACATATTCTATGATTC
AACTTATATGAAATATCAAGCAGGCAAACCCACAGAAAGAAAGTGGTTGCCAGGGGCTA
[T, G]
GGAGAGTGGGGATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTA
GTTTTCCAGGGCTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTT
ATTTTCTCATGTTCTGGAGGCCGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTT
TCTGAGGCTGCTCTCCTTGGCTTGTAGATGGCCACCTCCTTGCTCTGTTTTACATGGCC
TTTCTGTGTTTGTGCAAGCGTGTCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTA

37481 ACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAACAACCCAAGTGT
CCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACAATAGAATATTATTTA
GCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCTTGAACAAT
ATGCTAAGTGAAGAAGACAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGA
AATATCAAGCAGGCAAACCCACAGAAAGAAAGTGGTTGCCAGGGGCTATGGAGAGTGGG
[G, A]
ATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGG
CTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTTATTTTCTCATG
TTCTGGAGGCCGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTTCTGAGGCTGC
TCTCCTTGGCTTGTAGATGGCCACCTCCTTGCTCTGTTTTACATGGCCTTTCTGTGTTT
GTGCAAGCGTGTCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAG

37499 GCATTATTCATAATAACCAAAGGTAGAAACAACCCAAGTGTCCATCAACTGATAAATGG
ATAAACAAAATATGGTATATCCATACAATAGAATATTATTTAGCCATGAGAAGCCATGAA
ATACTGATACATGCTACAGTCTGGATAAACCTTGAACAATATGCTAAGTGAAGAAGA
CAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGAAATATCAAGCAGGCAAAC
CCACAGAAAGAAAGTGGTTGCCAGGGGCTATGGAGAGTGGGGATGGGTAGTGATTGCTG
[A, T]
TGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGGCTGCCATAATGAAATGCC
ACAGACTAGGTGGTTTGAATAACAGAAATTTATTTTCTCATGTTCTGGAGGCCGAAAGTC
CAAGAATAAGGTGCCAGCAGGGTGATTTTTTCTGAGGCTGCTCTCCTTGGCTTGTAGAT
GGCCACCTCCTTGCTCTGTTTTACATGGCCTTTCTGTGTTTGTGCAAGCGTGTCCTGG
TCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAGGGCCCACTCTGCTGGCCT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAGGTTAGAAGT

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TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[- , A, G]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAGGTTAGAAGT
TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[G, A]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40787 TAATTATTTGTCTCTGCTCTGCCACTGGATTGCAAAGTCCTTGAAGGCAGAGGCTGTGCC
TGTGACAAGTAAAGTACCTTCCACAGATCAGGTGCCCCATACAGTGCATGAATTTAGA
AACTGGAATTAAGGTAATAGTTGAGAAGCTTTTCTTAAGTTAGACATCAAAGTGCATTAT
TTCATATGTAAGTTGGAATCTGTTTCTGAATGAATCTATTCAATAGAACCAGTATGT
TCTCCTTGGGAAACATCTTCACTGTTATGTGACTAAAATAAAAGTGGCTTATGACACTC
[A, G]
GGATCCAAAGATTGAAATACCCCTCGTAATAGGCAAGAATTGTATCACATTACCATCAAC
AACAGCAATAGTACTAATAGTAATAATAAAAAATACCTTTCAAGAAGTTTGAATTAATTT
TGAAGCTCAATCATAGCAATAATTTCTGGCCAGCATATTTGTGTTCTTTCCCTATTTGT
GTTCTATTCTTGCTGGTCTTAATTTTTTGTGTTATTATGTAAGTTATGTCAAATTGTCTG
TGAATGAGGCTGAGTATAAATACATTAAGGTAATAAATATGTAATAAGAGATGTTCAA

44582 AATCCATTTCAAACCTGGAAGAAGCTGAATATGGGGGAACACATTAAGAAAATTTGG
TAGCTTTGTGCTTCTCTTGGGCCAGGCCATTACAATGGGTATTATCATTTCTCTGAGATA
TTGTGAAACATCAGAGCAAAACCTTTTTTTTTCAGGTATGAATATCTGCCATTTTTTGTG
TATGCTAATGTTATTATCAGCTCCACGGGTAATTACAGCTTCCAGATCAAAGCTATTCCA
GCAAGTATGTTAGCAAGCAAATTTTATAAACTTGCATTTTATGACTTTTTTATCTCCT
[G, A]
TCACTAGAGAATATAGAAAAAGGTATATTTATTACTGTTTGTAAAGTGTATTTCTTTT
TCTTTTCTTTTTTGGCAGGAGAGAGTGAAAACCAATATTTTAAGAATCTTTTTTTCTT
GGTCTTTTCAACTCAGTATTTTATTTTAAATCTTTATATTTTTTGATTGGCGAATCATC
CATTTCCCTTGCTTCACTCTTTTCTTTCTTGCCTCTCATTTTAGATTATCTTCTGTTTGC
TATTATTACTTCTATATCATCACCTAAGGGAAGAAGGATAACACTGGTGAATTTTAATA

45615 ACTACATTCTCTACCCCTGATTCTAATCTCTTCTTTTAAACATCTCCTCTTCTTCTT
GTAGCAAAGTGGTAGTATCAGGAAATGGCTGATGCTATCAAATGGCTTAAACAATAAGA
AACTCTTGCTCCTTATCAAGAAGTCTAGAGAGAGAGCAATTCTGGTTTGACTAATTCAG
CAGCTGAGCAACATCATCAGGGACGTTGGGGCCTTCTCTTACCTCTCCATGTTTCTGC
CACTCATGTTAGGGTGGCTTACTTCATGGCTCCAGCTGGCTGCCATAGTTCAAGGAGTCA
[C, A]
ATGCAGATGATCACATGCAGAGGTGGATTAAAGAAGAGTTTCTCTCATGCTTCTCTTTT
TATCAGTGAGGAACATCTTTTCCAGACCAATTATGATTACCACAGGAAC TAGGGGAGGA
TCCTCCTTTCCAGAGCATATGATGGTAGGGGTGTGGGGGATGACTGTGTGGGGTAGGCA
GTCTCAGTGTTTCTCACAATAAGGAGGCCACAATATTGATGACTCTGCCCATCTGTAT
AAATAAGAAAAATAGAATTGCTTGACCATTGTCTCAGGTTGTGGGGGAGAAAGATAGGG

46091 AGGCAGTCATCAGTGTCTCTCACAATAAGGAGGCCACAATATTCGATGACTCTGCCCATC
TGTATAAATAAGAAAAATAGAATTGCTTGACCATTGTCTCAGGTTGTGGGGGAGAAAGA
TAGGGACAAGGAGGAGCTGTATATGATTTTAAAGGGAAGTTAGAATTGACCAAGGCATC
CTTGGTTGTAAAGAGAACTTTTAGAGAAGTAAATAGAAAGAAGTTCCAGAAAGCTGTCTC

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CTCCATGAAGGGAATCCACTCATATTGTAGGTAAAAGAAGAGGGAAGGGCAATTTTTTCT
[C, T]
CACTCTTCTACGAGACAGCCCCAGCAGCTTTTATGGAGGCTGTGACTTAGAAATGGGGG
GAAATGGCTGTATGTTGTGAGGGCACAAATGCACAAGCTTTTTTAACACTGCCTGAACA
AATGCAGACTTTTGTGCTCCCCAGTGAATTAACATGCTCTGATGCATTTTTTTTGGCTT
GGCTATCAACTCTTTGGTCATGTGCTTGGGGAAGGGCTTTGCATGACACAGCGGTGAGAC
ATTTTATCTTTCTCCATGTGACTTCCAGGAAGCCCTCTAGGGAAATGCAGGACATGGTC

47844 GCTTAATGGGAGGGTTCCTCATGCTTATTTTAAAGATCTTGCTATGTAAAGCTTAAATAT
TTTTTGGAAAAATGGGGAATAAATGGGTGGAGAGGAAGGAAGAAAGAAAACAAGAGGG
AAGGAGAGGTTTATGAACCTGACAGTTTTACAGTTTTATATGTCTCTTAAAAAATACTCC
TCCTCCCTGTAACATTTTAATTCACATTCCATAATGTATAGTGTGATTTTGTGTATGTG
TATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTGTAATATATAATA
[T, C]
AATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACCTTCATAGCCTATTCAG
GTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGGCAAATGGTAAAG
AATGATACATTCAATTTATTTTGTGCTTGAGCTCCACCCAGGAAAAGGCAATGCAGCAA
GTATAAAGCGGTTTGCAATTTGCAAAAGTGAACATCCTGAAGCTCTAGTCCGTGGATTTTG
CCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCCAGCTCTATTTT

48013 AAAAACTCCTCCTCCCTGTAACATTTTAATTCACATTCCATAATGTATAGTGTGATT
TTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTGT
AATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACCTTCA
TAGCCTATTTCAGTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGG
CAAATGGTAAAGAATGATACATTCAATTTTGTGCTTGAGCTCCACCCAGGGAAG
[G, T]
CAATGCAGCAAGTATAAAGCGGTTTGCAATTTGCAAAAGTGAACATCCTGAAGCTCTAGTC
CGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCC
AGCTCTATTTTAGCATTTATCATGAAGTTGTCCAATTTTATATACTTGTGGCCTCCC
CATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCAG
CATATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGCG

48072 TTTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATTG
TAATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACCTTC
ATAGCCTATTTCAGTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGG
GCAATGGTAAAGAATGATACATTCAATTTTGTGCTTGAGCTCCACCCAGGGAAG
GGCAATGCAGCAAGTATAAAGCGGTTTGCAATTTGCAAAAGTGAACATCCTGAAGCTCTAG
[T, A]
CCGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCC
CAGCTCTATTTTAGCATTTATCATGAAGTTGTCCAATTTTATATACTTGTGGCCTCC
CCATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCA
GCACATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGC
GTGAGATTTCTGTCTCAAAGTCTTTGGCAGTTTGTTCCTCAGTTGCTGATGTCTGCCAT

50802 TCTGATAAAATAAATGTCTGTCTGTTATTTAGGAGGGGTGACAGGCTGGAATCACTGAG
CAAGTGACAACTGTCCCTTGACTTGGTAAGTTTCCATGCTGTCTTTGGCTGATACAGAT
CTCGTATTAAAGTGATATGCAATGAGAGTTTCTCTGTGAGCTCAGTGACGTGATTTTAGG
TAAGGAAGGTGAACGTCTCCGCATCAGCTAGAGAGATTATAATAGATATCACCTGTCTTA
ATAGCCCTACCTTCATCTGTCTAACTGTGGACAAATGAGATTTTATGCTTTATCATCAAG
[G, T]
TGCCAGACGGGGCTCAGGTATTTACATTTTATATGTAAAATTGCTCATGCTCTGCTGCAC
AATAGTTGGTGTGTTGCAAGGAAAAATAAGTATCCTGAAGCTTTTATAGAGCATTTATCCT
TCACAGCAAGAGAATATTGCAAGTTGGTAAGACTTTATATTGTATGCTTAACCACTGTG
ACTTTTATAACTGCATGCTAGCTGGGTACAGTAAATTAAGTAAAGCTCTATGAAGATG
TCTTTGTGCTTCGCCTGCTGCTTTGTAATCTTCAGTAGTTAAAAAAGTGTCTTGTATGT

53305 CTTTCATTTATACATGTTAGAAATACTAAATATCTCTATTAATGTTTTTAGTTAATTTTT
CCTGTTAAATACTGGTAGTAATGAAGTATGATATGCCAAGGATAGTTTTAAAAAGAAAT
AAATAAATATTGCTCCTATTGATATTAAGTCGATATATTTGGAAAATTTTAAAGCTGAGAG
AGAGAAGCATGCCTGTGAGTGTGTGTAATACATGTAAATACATACACAGAGGCAAAGAG
AGACACAGAAAGAGGCAGAGACACAGAAGGAAGATAGGCAAAGAAAGAATAAGATACAG
[G, A]
GAGACAGAGTGATGGATTACATATATATATGTGTGTGTGTTTTGTGTGTGTGTGTGTGT

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GTGTGTGTGTGTGTGTATGAACACACATAGAAAGAGACAGACAGAAATAGATAAATACTATAA
GAGAAACCAAGAGACACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATAT
TGCTCAAGATTAGTTCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGT
CAGAGGCCCTTGGGGAAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTG

53379 GTAGTAATGAAGTATGATATGCCAAGGATAGTTTTAAAAAGAAAATAAATAAATATTGCT
CCTATTGATATTAAGTCGATATATTTGGAAAATTTAAGCTGAGAGAGAGAAGCATGCCT
GTGAGTGTGTGTAAATACATGTAAATACATACACAGAGGCAAAGAGAGACACAGAAAGAG
GCAGAGACACAGAAGGAAAGATAGGCCAAAGAAAGAATAAGATACAGGGAGACAGAGTGAT
GGATTACATATATATATGT
[T, -]
GTATGAACACACATAGAAAGAGACAGACAGAAATAGATAAATAAGAGAAACCAAGAGA
CACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATATTGCTCAAGATTAGT
TCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGTGAGAGGCCCTTGGGG
AAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTGTCATAATAGGCAAT
ACCAGATATATGAGTAGGTCAACCTGGGCATTAAATTAATGGCTCTGTACCATTGATG

56233 AACCATATGTGGCTCCTCGCTACCGTATTAGACATACATAGTATATGTTGCTATAAATTT
CTTTCCCTGTATTAATTGAAAAAATTTATAATTTTAATGTAATTTTAACTACCAGAAAT
GTTACAAGAGTAACACAATGAACCTCCATATGCCCTTTATCCAGATTTCCAAATGTTTAT
TTTTCCACATTTGCTTTTATCTTTCTACCTACATTTTTTAATGAACCATTTGAGAATAAGT
TTCAGACATGATGCTCCTTTGTCCTAAATATAATACAGCTGTGAGTATTTTCTAAGACCA
[A, G]
GGACATTCTTTTATGTAACCATAGTACAGTAATCAAAATCAGGAAATCAACAGTGATACA
ATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCCGAGACCAGTATCATCAGCATC
ACTTGGGAACCTTGCTAGAAATACAAATTTCTTGCCTCTACCCAGCCAGCTGCATTGAAT
CAGAAATTTCTGGGGTGGGGTTCTGGCAATCTGTGTTTGAACAAGCCTGCCAAATGAGCC
CAAAGCATACTGAATTTTCGAGAATCACCCATCTAATTCACAGTCTATATTGTCTGAATTA

56453 TGAACCATTTGAGAATAAGTTTCAGACATGATGCTCCTTTGTCCTAAATATAATACAGCT
GTGAGTATTTTCTAAGACCAAGGACATTCTTTATGTAACCATAGTACAGTAATCAAAAT
CAGGAAATCAACAGTGATACAATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCC
GAGACCAGTATCATCAGCATCACTTGGGAACCTTGCTAGAAATACAAATTTCTTGCCTCTA
CCCCAGCCAGCTGCATTGAATCAGAAATTTGGGGGTGGGGTTCTGGCAATCTGTGTTTT
[G, C]
ACAAGCCTGCCAAATGAGCCCAAAGCATACTGAATTTTCGAGAATCACCCATCTAATTCAC
AGTCTATATTGTCTGAATTACATTTCTTAGAAGGGACAGTTCTATAAGATTTTGTGTTG
TTGCAGAGGATCTCATCCGGAATCATCTGTGTTGATTTTTAAATGATGGGTGGTTTCAGT
GGGCTGAGCTGCTCTCCCGGAGGGGCTGTTGCCATGGTGATGGCTGCTGGCAGTGCTGA
GAGACAGCTGTGGGGCCGCTGGGCTCTGTGTGCCACTGAGCTGGCAGGTTGCCACTTCC

59300 TGATTTAGGAACCCAGTACTTCACCTTTAATTGTAATATGTTTGCAGTTAAATACATTCC
CTAATTTTAAACACTTATATAATCATAGTATAATTATCAAACTAGGAAAATTAATATTT
TACTAGTTTTTCCCTTTATGCCCTTGGTCTATTCTAGGATCCAATCCAGGATTCTACATT
GCATTTAGTTCTATTTCTTTAGTCTCCTCTAATCTGTGACAATTTCCCTTTCCTGCCTTG
TTTTTTATGAATTTGACACTTTTGATGGGTAAGTGGCAAGCTATTTTGTAGAATGTCTCT
[C, T]
AGTTTGGGTTTGTCTAATGTTTTATCACGATTAGATTGAGGTTACATATTCTTGGCAAGA
CTACTACAATAGTAGTATTGTATTCTTCTCAGTACATCATATTAAGGGGTACCAGCTGTA
TCTTATTACTGATGATGTTAACTTTGATCACTTGGTTAAGGTTCTGTCTTGTGGGGTTTT
TCACTGTAAAGTTACTATTTTTTCCCTTTGAAATGATAAATATCCTGGGTAAGATAGTT
TGAGAGTTTTCTATTAATAATAGCCTGTTTCTTTCAAATCTTCACTCATTAAATTTAGT

60998 ACTGGCGCGTGCCACCACGCCAGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTCTC
CATGTTGGCCAGGATGTTCTCCATCTCCTGACCTTGTGATCCGCCCACGTCAGCCTCCCA
AAGTGCTGGGATGACAGGCGTGAGCCACCGTGCCCGGCCGCAATTTAAACCACTAATA
GGCCTGCTAGTAACCTTGAGGCAAGTACTTTCCGAACTGATTGTAATAAAACGGAACA
TTTGAAATTTCTCATATGTTTCTTTTTATGCAAAAGTATTTAAACAAACCAAGTAAGC
[G, A]
GGTTGAGTTTTGCAATCTTGAATCTCTAGTGCCTGTCAATAGACTATTAGAAGTAAATTT
GGCAATGACGTGCAGCCACCAGGCTTACTAGTTCTCAGAGGGTCCCTGTAGAATTCATA
TTGGGTGTGTTGTGTCTAGTATTAGAAACAAATCCTTTTCTGTGCTTCAGAACAACTGCT
TATAGTCCTGAAGCCTGTTTGGGACCACCAACCCCAAGATTTGGTTATTTATAGATGAGG

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AACACCCCTGGAATTTGACCATTGTGACATTGATTGGTGATCATCCTTCCTACTGTGAAC

63013 ATGTCAATCCAGTGAATTAATAAGGGAAGCTTTTTCATTATTTTATTTTGTGTTTATTTTGCATGGAGTCTTGCTCTATTGCCCAGTCTTGAGGCGAGTGATGGGATCTTGGCTCACTGT AACCTCTGCCTCCTAGGTTCAAGTGATCCTCCTACTTCAGCCTCCCGAGTAGCTGGGATT ACAGGCATGTGCCACCACGCTGGCTAATTTTTGTGTTTTTGTAGAGACGGGGTTTCAT CATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAAGTGATCTGCCTGCCTTGGCCTCC [G, A] AAGTGCTGGGATTACGGGCATGAGCCACTGCACCCAATCTGCATTTACTGAGTCAGAGTT ATTGATGATAATGATAATGATAGTTGATGATAATAGGGATATGCATTTTAAACAAGCAAC TTGGAAGATTTTGTATGCATAAATTTGAGGTCCACTGGAAGAATGCTTATTTAATGGAGA TATGGTAGGGTGTGAAGGAAGAGCATTTTAAGTTGTGAGTCCAGCGAATTAATAACGGAA GCTTTTTTCATTTTAAATAAAAAGCAGGACAGAATAATTTTTGAAGTTCCTTTTAGCCTT

63293 ATCTGCCTGCCTTGGCCTCCGAAGTGCTGGGATTACGGGCATGAGCCACTGCACCCAATC TGCATTTACTGAGTCAGAGTTATTGATGATAATGATAATGATAGTTGATGATAATAGGGA TATGCATTTTAAACAAGCAACTTGGAAAGATTTTGATGCATAAATTTGAGGTCCACTGGA AGAATGCTTATTTAATGGAGATATGGTAGGGTGTGAAGGAAGAGCATTTTAAGTTGTGAG TCCAGCGAATTAATAACGGAAGCTTTTTTCATTTTAAATAAAAAGCAGGACAGAATAATT [T, A] TTGAAGTTCCTTTTAGCCTTAAACATTGCAGGGGTTTTTTTTGTGTTTTGTGTTTTGTGTTAA ATTGAGGCTTCTGAGAATGCTCTTCTTTGTCTTTTAAGGTTGTAAGTGCTTTGATTGCC AATGTTAATACAAGGATTAATTTTTTAAATCAAATCCTTTTAGGATTTAAATTTGATAA TAACAATCAAAGGTGGGGTTAAGAACACTGAATTTGGGTTGTTCTTCATTTCTTTAAAGC CTCGACATTTCAAAGGCAATCTGTCTATTGGCTAACTGGGATGGTGAAAGGAGGAGATACT

64181 TTACATTTTCATCAAAAACATTAGCTTTTTACTTTTAAAGACAGCTTAGAGAAAGAAAGTAA TGCTTTTTTCATATTGCTGAGTTAAATCAGACTAAAACTGTATTTCTTTGTGTGTGTCAAA TCATAATTTGTGTGTCTAAATCTTTGAGTGACTTGTCTATCATAATTAAATCCTTAGAA AAAATCAGAGGTTTTTGTGTTTTTTTTGAGATTGGGGTTTCATTCTGTGTCAC CAGGCTGGAGTGCAGTGGTGAATCATAGCTCACTGCAGCCTCAATCTCCTGGACTCAAA [C, T] GCTCTTCCCGCTCCACGCTCGCAAGCAGCTGAGAATATAGGCATGACACCAGGCTGGGCT AATTTTAAATTTGTTTTTTAGAGATGGGATCTTGCTATGTTGCCAGGCTGGTTTCAAGC TCCTGGCATTAAAGTGATCATCCTACCTCAGCCACCTGAATTAAGTGGGATTACAGATGTGA GTGATTGCATCTGGCTGTGTTTATTAAAGAACACAGTAAATGCAAAACAAATAGTTTTTC TTGAGGATAAACATGTAAATGGAAATAGGAAGAATAACTTAAGAAGCACAAAGACACAGA

64191 TCAAAAACATTAGCTTTTTACTTTTAAAGACAGCTTAGAGAAAGAAAGTAATGCTTTTCAT ATTGCTGAGTTAAATCAGACTAAAACTGTATTTCTTTGTGTGTGTCAAATCATAATTTG TTGTGTCTAAATCTTTGAGTGACTTGTCTATCATAATTAAATCCTTAGAAAAATCAGAG GTTTTTGTGTTATTTTTGTGTTTTTTGAGATTGGGGTTTCATTCTGTGACCAGGCTGGAG TGCAGTGGTGCAATCATAGCTCACTGCAGCCTCAATCTCCTGGACTCAAACGCTCTTCCC [G, A] CTCCACGCTCGCAAGCAGCTGAGAATATAGGCATGACACCAGGCTGGGCTAATTTTAAAA TTGTTTTTTAGAGATGGGATCTTGCTATGTTGCCAGGCTGGTTTCAAGCTCCTGGCATT AAGTGATCATCCTACCTCAGCCACCTGAATTAAGTGGGATTACAGATGTGAGTGATTGCAT CTGGCTGTGTTTATTAAAGAACACAGTAAATGCAAAACAAATAGTTTTTCTTGAGGATAA ACATGTAAAAATGGAAATAGGAAGAATAACTTAAGAAGCACAAAGACACAGATCTTGGAATTA

68992 ATAGTTGTTTTCAATAGCTTTTTCAGGAAAATACCAAAGTAAACAATTAAGTGTCTGTGGA TGGCAAGACTTTAAATGATAATGGTTAAATGTCTGATGAAAATTAATTATAATGCAATTG ACAAGAAAATTTTGTCTTTTCTGTATATACAGTATTTTTTAAAAATTAATAATACGA GTGATAGTAATATGTCAAGACTATCAAGTTTCTGGGAATTTTCATATAATTTCTGGAAAAC ATATTAATAACATACTCATGCAATATAACTTAAAGATGGTTCAGCAACACTTATTATTG [A, C] CAATGCTTCCCATGCAATTTAACACATCAAATAAGCCTAATTAGTTTAAACATCTCTCTTT TTTATAAGAAGAGAGGAAAAATTCCTTTGAGAAATTCAGAAAGTCAGTTTGGAACTTC CAAAGTTGGTTTGGGTCGAAAGGCCTTAATTTAATGCTTGATTTTGAAGAGTGGTTAAA AAATGTCAAAGGGTTTAAATAATTAATAATAGGATCAGAGGTCAGTGGCAACAGTAGTCA TTTAAGCAGAGTGATAATTAATAACTTCAAAGAAAGTTACATAATTATAGAAAAACCTT

76246 ATCTGATGACTATGTGCCTTGGGGATGGTTGACTTATATGGTGTCTAACCAAGGTTCTCT

FIGURE 3, page 117 of 141

GTATTTATTCGTTTTGCATGTCATCCTCTTTAGCAACATTAGGGAAATTTTCATGGACTA
TATCCTCAAATATATATCTGAGTTGTTTATTCTCTCTCTCAGGAATACCATTCAGTCT
ATAGATTTGGTCTCTTTATATAATCCTATATTTATCAGAAGTTTATTCAATTTTAAAAA
TTATTTTCTTTATTTTGTCCAACCTGAGTTGATTGGAAGAACTGGTCTTTGAGCTCTGA
[T, C, G]
ATTCTTTTCTCAGCTTTGATCCTTCTGTTAATACTTTTGATTATATTATGAAATTCCTGT
AGTCAATTTTTCAGCTCTAGAAGCTCAATTTGGTTCCTTTTAAATGGCTATTTTCATCTT
TCAGCTCTTAGATCATTTTACTAATTCCTTGGAATCCTTGGGTGGGTTCACCTCTCTC
CTGAATCTCCATGAGATTCCTTGTATCCAGAGTCCACATTCATGTCTGTCAATTCAGT
CACTTTTGATTGGTTAAAAACCATTGCTGGGGAGCTAGTGGACTTGTGGAGGTAAGGG

77368 CTATTCCTGTGCGGCCCATGAACCCACGTGACTCAACCCTCTTAGTGCTCTGAGAATGT
GGGCTCCATTCCTCAAGTGCCTTAGTACTCTAGGCTATGCACTGCAGCCCTGGGGA
GAGATCAGGGTTTTTGTTCCTTCCCCACCTTGGGGGAGCAGAGGTGGGGCTGCAGTGGC
AGCAATGGCATACAGCCTGCCAGTTACCTCAGGGGGTGGCCACCCCAAAGAAATGCATAGC
TATGGCTAATTTGAGTGATCAGCTAGGGATGGGGCAGCTGTGCTGTGGGCCCAAGCTTGG
[A, G]
AGTAGGTGGGTGGGGGCTCTGCCTAGGGAAGACAAAAGAAGATAGTTTGGCCTCTTCTC
CATAGGATGGCTGTGGTGTGCTATAGGCCTGCAACAACAATCAGGCTGTTTGTTCCTTT
CTAGCCTGGGTGTTGGGGGTGATGGGTGGTACTATGGTGGTGGCAGTGACAGAGGGCCT
GTCAGTTGTCTCTGGAAGCTCCACCCAGAGAAATGCAGAACCACCTAACTGATCAGG
TGGGAGTGGCACAGCTGCTCTGGGGGCTAAGCTGGAAGGCCGTGCCCAATCAGGAGCAG

78043 GACAGTTCCTTAGATTCTTTACTCTCTCCCCAGCCTGAGGACAGCAGGGGCAGGGGCTGTA
GCAGTGGCAATTGCAGCAGGCTTGTGAGTTGCCTCTGGGAGCTCCATCCCAGAGGAAAGA
AGAGCAATGACCAGCTGGAATGTTTCAAGATTGGGGTGGGGTGGCTGTGATTGGACCTTGGC
TGATGAGGTACAGTCTGCAGTTCATCCTCTCCTCAGCACCGTGCCTGTGGTACCTATCCT
AGAGGTGCACGAGAGAGCCTGAGCTCCTTTGTTTGTAGGGCTATGGCAGCTGGCACCAC
[G, A]
TGCTCAGAGATCCAAGGCTCATGGAGCTCAATGTGGGCTTCAGTGGTAGCTCTGCACAGA
CTCCACAAGCTCTCTGTGTCGATCTGGAAGCCAGGGGAGCCGGGGGCTCTCCTGTGCC
CAAGATTACAAAGGTGATGCAGACATGTGGTCTTGGGGACTCTCACTCATCCTCTCATC
CTTTCCTTGCAGCTGGGAGCCTCCTCTGGCTCTGCACCAATCCTGGGTGGGCAGCTGTCC
TACCTTGCTCTTCTTTGCTTTCTGTGGGTGCTGTTGCTTCTTTGATGAATCAAAACATG

79395 GAGATTTTGGGTGGGGACACAGCTAAACCATATTACTTTCTAATATCCAGTCAGTTTTTT
TCCCCAAATAGTTCTTTCTCATTTTGGATCAATCATTCTGCTCTAGAACAATAATTATTC
TCTTTTGTGTTTTAACAGAACATACACATCCTCATAACTTATGCTTTTCTTACCAAAAG
CACATCTTACCTATATTGTATACCTGCATATAAAGTTGTTTTCTTATTATTTCTAGTAA
TTTTAGTTACATATTTAATTAGAATTCTTAGCCCTTTATGACCTTAATTTCTAGTGAAC
[A, T]
CTAGGAAGCAAGCAAGTGTGAATATCATGCCAGCAGTCTATAGATTGGAAAACCTGTGAA
TTATAATTCTAGGACATATACTTTTTTATAATACATTTTTCATATGTGGCACAGAAACA
TTTATTAAACAGTCCCAACTGTCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAAACAA
ATTTTATTTCTATCCTGTTAGGGCTTTTTTTTTTTTTTCCCATCCTTCGTAAGAATGTT
AAAAGTTCTGGTATAGAAAGGACATTTTTTACATGGGAATCTATCTTACCTCTATTTG

79474 CATTTTGGATCAATCATTCTGCTCTAGAACAATAATTATTCTCTTTTGTGTTTAAACAGAA
CAATACACATCCTCATAACTTATGCTTTTCTTACCAAAAGCACATCTTACCTATATTGT
ATACTTGCATATAAAGTTGTTTTCTTATTATTCTAGTAATTTTAGTTACATATTTTAA
TTAGAATTCTTAGCCCTTTATGACCTTAATTTCTAGTGAACACTAGGAAGCAAGCAAGTG
TGAATATCATGCCAGCAGTCTATAGATTGGAAAACCTGTGAATTATAATTCTAGGAGCAT
[A, G]
TACTTTTTTATAATACATTTTTTTCAATGTGGCACAGAACATTTATTAACAGTCCCAACT
GTCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAAACAAATTTTATTCTATCCTGT
TAGGGCTTTTTTTTTTTTTTCCCATCCTTCGTAAGAATGTTAAAGTTTCTGGTATAGAA
AGGACATTTTTTACATGGGAATCTATCTTACCTCTATTTGACTCTTGCTTTTAAACAATT
ATGCTTGAAATGCTCATAAAGATGAGACATTAATAGCTAGCCATCACCTAAGTTATTT

79992 TTTGACTCTTGCTTTTAAACAATTATGCTTGAAATGCTCATAAAGATGAGACATTAATAG
CTAGCCATCACCTTAAGTTATTTTTCTTGCTGACAAGCTATGTCACATAGAGATAACATG
AACTATTTTACTAAATAAACCTAGGGGAGAAGAGTTGTGCATCTGTATTATACTAAATG
CCGACAACCTCTGAAGGTATGCCTGCATTAATCAAGCCAATATACTTTTATTAGCTACTAT

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TTACCGAAGATTATCCAAGATTATGTCAACTTGAAAAATATTTTAGGTTTGTCTTAAGG
[G, T]
TTTAAGGAATACCTATTTTATATAAGCACTTATTTTCTTTAAACCAATTAATAGTTCT
CTTTTACAACCTTAATTTTGGCAATACCATAAAGAAAAAGAAATATGTTACACATTCTATA
CATACATACTGACATATATAAATATAAACATAAAAAACAGATCTTGTAGTATTCATTTAA
AATTTTAGCCAGGTGCCAAGTACAATAACACAAAGCTCACTAATCTGGAAGTGAATTTTT
TTCTGGCCCATGGAACAAGATTACCCACCCAGATGGCTAAAGCTTTTACTGATATTTGT

81065 CTTCATCCTCTTCTCTCTCCTTTCACTCCTCCTCTGAAGGTATTGAGGAAGAAGATGGCA
ACATGTAGGCAATAGTCTTTCTGCCACTGGAGATGTTTATCGTGTTCAGAGAACTAAA
TGAGATATACCAGAATCCTCGCATACTCAAGTCCCTGCAGTTGGCCCTGCAGAACCTTCAT
ATATACAAAAGCCCTTCATATATGCAGATTTCCATTCTGCAAAATATTGTATTTCCAATA
TGTGTTTGGTTGAAAAATATCAGTTTAGAAGCTGATATTATAAGCTTGTAAGTATGATA
[T, C]
TAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAACTGTATGTTTACAGGT
CACCTTTTCTGTAAGGACTTTTCTGCTACACAGGATGTTATAATGATCTATTGTC
AGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATGGCTCAACAGAAT
TCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTTGAAGAATGAGAA
AGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCATATTTTGAATTCC

81350 TTGTAAACTGATATATTAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAA
CTGTATGTTTACAGGTCACCTTTTCTGTAAGGACTTTTCTGCTACACAGGATGTT
ATAATGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTG
TATGGCTCAACAGAATTTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAG
GTTTGAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCG
[C, T]
ATATTTTGAATTCACCAAGCTTTTGAACACTCTCCTTGGCCCGAAAACTATCAGGA
AACCGTACTTGTAGCTAGGCTGCTAGTGAATGTTTGTCTACTTTTGTATTTGTACGGCCC
TGTGTAGGAGAGAAAATGCTAAGCAAATATTTGCACATTGCACTGTAAGGAAATAAAAA
TGCATTAGAAGTGAATCAGTTGACCTCATATTGTTTTCATTAGAAGTAATTTCTTTGGAT
TGCTCTATTGCTATAAATGTTCTTCTTTCATCTTAACAACAACCTCTGTCTAGTAG

81474 TGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATG
GCTCAACAGAATTTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTT
GAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCATA
TTTTTGAATTCACCAAGCTTTTGAACACTCTCCTTGGCCCGAAAACTATCAGGAAAC
CGTACTTGAGCTAGGCTGCTAGTGAATGTTTGTCTACTTTTGTATTTGTACGGCCCTGT
[G, A]
TAGGAGAGAAAAATGCTAAGCAAATATTTGCACATTGCACTGTAAGGAAATAAAAAATGCA
TTAGAAGTGAATCAGTTGACCTCATATTGTTTCATTAGAAGTAATTTCTTTGGATTGTC
TCATTGCTTATAAATGTTCTTCTTTGCATCTTAACAACAACCTCTGTCTAGTAGTCTA
TGACTAGCTTATTTTTTCCACTTTTGTCTCCCATGAATATGATAAGGACCTCTCCCACTC
TTTATGGGCCCTGTGTTTTCATCTGCAAGACTAAACACAGTTAACATTGAATCCATC

82037 TCCTGCAAGACTAAACACAGTTAACATTGAATCCATCCTTTTCTTTAGAGGAACATTT
TCAAATTATCTCTAAGTTTTTCGCTGTTTACAGTAAATGGATCAGGTCTAAGGGTTCTC
TAAGAAAATTTAGCATTTTACATTTTATTTTATAGCAATTGAAATACATCAGTACAAC
CATATTCAGAAAGGCATTATGTGACACTGCCAGGCTATTTTAGATGTTTGTCTATTT
TGATCATAGTTAGTTTTTGGCCTTAATAATAAGTATTATTATTTTACTTATTGCCAGTGA
[A, G]
TGATAGGATAGAGCTTAACATAATGCTTAAACGATGTGCTTGGATCCCCACATAGATCCA
CAGTTATTATATTCCTTAGGGTTTTGCTATAGCTACGTAGAGGAAAGGAGAATTCAGTCA
TCCCAATGCGCATGTACCCTGGCATGCTGAACCTCAAAAGAAGCTATACTACAGCAGCT
ATATGCACAATATAAGTGCCAATTTAGTTTCCACAAAATCATCACTTTATATTAATTC
ATATCACTGATTTGAATTTTATTTGGCCGACCTTTTAAAGTTTATATGTTAAGATTCTAT

83258 TGGATAGACTTTGATTAAAGAGAGAATCTTTGTGAGTATAATTACAGAATGGCACTTT
TTATAAACAGTGACTGCTATGTATTAAGTGTGTTAAGTGAACCTGATTTTAAACATATTA
GCTGAAAAAATATGAAAGATTATGCTCTTCATTTAGGGCCGAGATCTGGACGATAAAAT
TCAGGAATATAAACAAGCTGGAAAAATCTTTCCAGAAAATCAAATAATAGAAATGGTTTAT
CCAGCTGCTGCTGGGAGTTGACTACATGCATGAGAGGTATGTTTCTTACTGGGGGA
[G, A]
CATGATATATTTTTTAACAGTCATGTTTGAACCTTGAAAAGTGAATTTTTTTTCTATAATTG

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AAAGAAAACAAGTTCAAAAGGTATATGGCTAAAATTAAACATCTATAATATGTTTTCCCT
TGAGAAAAGTGTGAATGATTATATCTAGAGGATTACTTGCCATAGCTTTTTGTTGCTGT
TCTGAAACTCAAGTTGGCCTTGAATATAAGACAGAAATTTGTATTAACACATTTTATTA
TGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCATCCTATGAAT

83790 ATTTTCATTATGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCAT
CCTATGAATTTATTGTATCTTACAGCAGGCTTGAGTTGTAAATACCTTAGTATGCCACAA
ATGAATTTGTGGTTCGCTTGAATGTGTCAAGTGCACACTTAGCTAGGTTACATCCCAA
AAGAGCTCAGTAATTGAGACAGAATGTATTCTTTCACCTCAGAGGGATAAGTATTAGAT
AGAAAGTCAGTTTTGATATGAAGTATCTGATAATGAAGGTCAATTATTTTGATTATCTGT
[G, A]
ATTTACATTTACAATCTCTGCCTCAAAAATGTATTTTAAACTTTTAATGAATTTTATA
GGTCAAAAGTAAGAAGTTTGAAGTTAAATATTTTAGAGACCCATAAAATGATATGAAC
ACGTTTGAAGATGAACATACATAGACAAAAAGAGTGGATATTCTGAGGTGTCTGTG
GTCGCTTTCACCTTGAAGTGGGGCGTTAACACATGGTACCATTCTTCTGAACGAAAGG
GGGTAATTTATAAGCACCAAGGTCTAACTATCCGTGGATGTGAGGTGCTTAAATGT

86565 GCTTGCTTCAGGAAGGTTAGATGATAAATTATATCAAGGAGAGAAGGTAACCTGGGTTAT
CAGTCAAGAACCTTTTATAATATCCATGCATGAGATTGTGAGACCTAAACCAAGCTGGCA
GAGGTGGGTAGAATGAGGAAAGATGAGAATGAAGTCAAGTGAAGTGAAGTGAAGTGAAGT
CAATTAAGTGTATCTGAGATGTGATAGAGGTCAGGATGAACCTGAGGTTTTGTGCTG
GATGAATGAGAAATTGGAAGACAGGTTTGAACAATGGTGTGAGTTTAAATTATGAATA
[C, T]
GCTGGGTAGAATATGGAGAGAGAAGAAGGAGAGGGAGGAGAGAGAGAATGAGAATGAG
AGAAGGAAGTTAGAAGTGAAGCTCTGGATCTTAGGGAACCATCAGGCTTGACTTTGTTT
GGGTTCTTACAATATCAGAGCCCTGAACAAAGACTAGGGTACAAATAGAGTTTTAGGAG
GTAATCTTAGAAATCAGAAGCCAATAAGTGGGAAGAGTGAAGGAGAAGCCAGAAAAGC
TGTGCAGAATGCATGGTTGAAGTGTGAGGCTGTGAGGTTAGAGGATGCAGAGGCAGGAC

86707 ATGAGAATGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
GATAGAAGGTCAAAGATGAACCTGAGGTTTTGTGCTGGATGAATGAGAAATTGGAAAGA
CAGGTTTGAACAATGGTGTGAGTTTAAATTATGAATATGCTGGGTAGAATATGGAGAGA
GAAGAAGGAGAGGGAGGAGAGAGAGAGAATGAGAATGAGAGAAGGAAGTTAGAAGTGAAG
CTCTGGATCTTAGGGAACCATCAGGCTTGACTTTGTTTGGGTTCTTACAATATCAGAGC
[C, T]
CTGAAACAAAGACTAGGGTACAAATAGAGTTTTAGGAGGTAATCTTAGAAATCAGAAGCC
AATAAGTGGGAAGAGTGAAGAGGAGAAGCCAGAAAAGCTGTGAGAATGCATGGTTGAAC
TAGTGGCTGCTGTGGGTAGAGGGATGCAGAGGCAGGACTCTTCTAATAGTGTTTTAAAGTT
TTGAGTTTCTTCTCCTGCATTTCTTCTGAATTTTGGGGAAAAAAGAAAAAGCAGGCC
GGGCACAGTGGCTCAGCTCTGAATCCAGCACTTTGGGAGGCCAAGGCGGGTGGATCAC

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAAGTACGCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCCAGCTACTTGGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAAGCCGAGATTGCAC
CATCGTATTCTAGCCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, -, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGAATA
ATTTCTTGATTTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAATAT
TTAATTTAGTATAAAACATGTTTCTTCAAGAAATAAAGTTATTTATCTTAATTGTCTGA

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAAGTACGCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCCAGCTACTTGGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAAGCCGAGATTGCAC
CATCGTATTCTAGCCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGAATA
ATTTCTTGATTTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAATAT

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TTAATTTAGTATATAAACATGTTTCCTTCAGAAAATAAACTTATTTATCTTAATTGCTCTGA

95967 TTTTCAAGGTAACCTCACCCCTGAGCCAGGTGTAGGCACACTCCTGATATGCTGACAGTG
GCCAATAGTTTGAGGAAGACCTGACCTGCTTCTGACTTACAACATAGAGGACTCATTGT
GTTAGTGAGGGGAATGAGACTGATGAAGAAAGGCAGGTGCCTCAGTGCCCAGGACAGGGG
CCACATGGCAAAGACCAGTAACAGGAGTTGCCTGGGTGTGCATCACAAGGAGCCATTG
GCTGTGCCAGCACCTTTGGCAAGAAGAGTTTGTGATCCACCCTGAGAACCTGCTAGATGA
[A, G]
GGATAGACCTCCAGGGAGGGTTTCATATCATAAACTGTTTCATATTAGGGCTTGAGGGGAG
GTGAGAGGAATTGTCCATACCTTCTCCACAGTTCTACCTTGGGCTGGAGGCCTGAGAAAT
GCTGGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCATGGGCCCTGGATGCTGGG
GAAGAATGACCTGATGGGGAGATGGAGATGGGATTTTATAGCATGAATTTGAACCAGAAAC
TGTCAGCAATCTTAACCAGATCACTTGGGTGTCATGAAACATAGAAATGAGAGGGACCC

96374 GAGGCCTGAGAAATGCCTGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCATGGG
CCCTGGATGCTGGGGAAGAATGACCTGATGGGGAGATGGAGATGGGATTTTATAGCATGAA
TTTGAACCAGAAACTGTCAAGCAATCTTAACCAGATCACTTGGGTGTCATGAAACATAGA
AATGAGAGGGGACCCACCCTTGAACAGATATGGTATGGTGCCTTGGAGATAATAGATGGA
GAACTGTGTTGAGCTTTTGAAGAAAGATTTTCATATAAACTTTATGCTGTTACCTTA
[T, G]
TATTTGTTGGATTTTCATTTTCATATACTTCAAAGGAATGGATATTAGCCAAACATAGGAT
AAAATTATGCTGGCTCATTTTGGCTTACTGTAAACCACAAAGCCAATACATTACGATTTT
TTTTTCTCCTGAGACGGAGTCTGCTCTGCTCACTCAGGGTGGAGTGCAATGGCATGATCT
CGGCTCACTGTAACTCTGCTTCCAGGTTCAAGCAATCTCCTGCCCTCAACCTCCCAAG
TAGCTGGGATTACAGGCATACGCCACCATGCCCGTCTAATTTTGTATTTTATAGTAGAGA

100283 ATGCTACTTGTGGATTTTGTGTTTAAATTCTGCTTGGGATTTCTTTTCTGCTTCTGAGCTT
GTGAATTCATGAAAACCTCTAAATCTGAAAATACCTCGTCATTCTCTCTTTGAATTTTG
CTTCTCCCTATTCTCCTTTTACAATGCTTAAAGATGTATGTTAGACCATCACATTCTGT
TCTTCATTGCTATGCACTCCTTCTAGGAATCCATTTATATATATATTAGAACCTTTAAGCC
TGTATTTTCAGATGCTCTTATACTCTTTTCTATGTTTTCTTTTCTTTCTTTCTTTCTTT
[T, C]
TTTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCAGGCTGGAGTACAGTGGCGC
GATCCTGGCTCACTGCAACCTCCGCCTCCCATGTTCAAGCAATTATCCTGCCCTCAGCCTC
CTGAGTAGCTGGAATACAAGTGCTGCCACCATGCCCGGCTAATTTTGTACTTTTAGC
AGAGATGGGCTTCATCATGTTGGCCATGCTGGTCTTGAACCTCCTGACCTCAGGTGATCCA
CCCACCTTGGCCTCCCAAAGAGCTGGGATTATAGGCGTGAGCCACTGTGCCTAGCCTTTT

101074 GCACTCCTAGTGCAATATAAAATATATATATATTTTCTATATAGAAAATATATAGAATCT
AGCTCTCTATTGAAATCTCCATGTGTGTCAGTTATTTTCTTGAGCAATAATCACAGTTAT
TTTCAAATCCTTGTCCAATAATTCAATAGGTGGATCACTTGTGTATTTATTTCTATATC
TCTTTTTTTCTTTTGGTTTTTAATCATTTGATCTTATCTTTTGGTATGCCCTGGTAGTTTT
TGAGTGAATGCTGAACAATATATGTGAAATATTGAGAGATGTTAGATGATATTACTTTTT
[C, -, T]
CTGCCCTGACAGTTATATTTAGGGCAGATCACCTTGATCTAATGAGGAAGTAAATAGTTT
AACTGTAGGCTGTAGGCTTTTGGAGGTTGGTCTATTTTCACTTTGCCTTTATTTCTATG
AAGAAGTTTTTCAGAGCTTTCAAGGTTTAGTTTTTTTACTAAGATACCTCTTCCT
TTGTGGACCCTGAAATCCAAGTTTATTGAATCTACTCAAAGCTCTGATTAATAATTTAA
ATAAACTTTATTTTTTAAAGCAGTTTATAGTTTACAGCAAAATGAGTGGAAGGTACAGA

103767 ATTTTATTAGATTTATACCTAAGTGTTTCATTTTCAAGGGTACTAATGTAAATATAGTTTG
ATATAAATGTCAAATCTACTTGTTCATTGCTGGTATATAGGAAAGCAATTGATTTTTGT
GTATCAACCTTGTATTCTGCAACATGTCAGAAATTAATTACTTGTAAATCCAGGAGGTTT
TTTTAATTGATTCTTTTGGATTTTCTACTTAGCTGATCATGTCTGTAAACAGAGAGT
TTGTTTTTCTTTTCCATCTCTATTCCTTTTACACTTCTTTTCTTGTTTTACTTAATT
[T, A]
GGTAGGACTTTTCAGTATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGT
CCTGATATCAGCAGAAAACTTCAGGGTTCTCATTGTAAAGTGTGATGTTAGCTGTAGGT
TTGTTATAAATATTCCTGTTTCTAGTTTATCAGAGTTATTGTGATGAATGGGTATTGGAT
TTTGTCAATTGCTTTTTCTGCATCTATGATTTTTTCATGTGATTTTTCTTCTTTATTCT
GTTGATGTGATGGATACATTAATTGACTTTCAAGTGTTAAAGCAGCCTTGTCATACCTAGT

104082 TATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGTTCCTGATATCAGCAG

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AAAACTTCAGGGTTCTCATTGTAAAGTGTGATGTTAGCTGTAGGTTTGTATATAAATATT
CCTGTTTCTAGTTTATCAGAGTTATTGTGATGAATGGGATTGGATTTTGTCAATTGCCTT
TTTCTGCATCTATTGATTTTTTCATGTGATTTTCTTCTTTATCTGTTGATGTGATGGA
TACATTAATTGACTTCAAGTGTTAAAGCAGCCTTGCATACCTAGTATAAAATCCCACCTG
[T, G]
TTGTGGTGTATAATTCTCCTGACACAATGTTGGATATATATATGTATATTTTTTGGACAA
CATCTCGCTCTGTCAACCAGGCTGGAGTGCAGTGGGGTGATCTCAGCTCACTGCTACCTC
TGTCTCCCGGGTTCAAGCGATTCTCCTGCCACAGCCTCACAAGTAGCTGGGATTACAGGC
CCCTGCCACCATGCCAGCTAACTTTTGTATTTTAGTAGAGATGGAGTTTACCGTGTT
GGCCAGGCTGGTGTGAACTCCTGACCCAGGTGATCCACCCACCTCGGCTTCCCAAAGT

104473 AGTGGGGTGATCTCAGCTCACTGCTACCTCTGTCTCCCGGGTTCAAGCGATTCTCCTGCC
ACAGCCTCACAAGTAGCTGGGATTACAGGCCCTGCCACCATGCCAGCTAACTTTTGTA
TTTTTAGTAGAGATGGAGTTTACCGTGTTGGCCAGGCTGGTGTGAACTCCTGACCCCA
GGTGATCCACCCACCTCGGCTTCCCAAAGTGCTTGGACCACAGGAATGAGCTGCCACGCC
TGGCCTACAATGTTGGATTGATTGCTAATATTTAGTGAGGATTTTTTCATCTACATT
[T, C]
ATCAGAGATACTGGTTTTTAGTTTTCTTTCTTGTAAATGTCTTTGTTTGGTTTTAATGTT
AGGATGATGCTGACATCTTAAATGAGTTAGGGAGTATTTCTCTGCTTTTATTTCTGA
AAGAGATTATAGATATTTGGTGCAATTTCTTCTTAAATATTTGGTAGAATTCGCCAGTG
AACCATCTGGGCCCAGTGTTTTTATTTGGAACTTACTAATTATTGATTGAATGTATT
TACTGAAGATGGGCCTATTTGATTGTCTACTTCTTGTATGATTTTTGGCAGCTTGTGTCT

105573 TGTTTAGAAGTGTGTGGTTTTATATTACATATTTTGGGATTTTCCAGTTATCTTTCTGT
TATTAATTCTAGTTTGATTCCATTTTGATGTGAGAGCAGAAATGGTATGATTCTCTTC
TTTCAAATTTGTTAATGTTTTATGGCCTAGAATGACTTTCAGTTTCTTTTTGAATAATTC
GCAGGGATTTTTTTTTCATTTTTATGTGAGCTCAACTGTGCATATATGAAGATATTTGTAT
ACTTTATTCGGCATTTTAGTTTTTTTATGCAAAGATTTTCAAGTTTTCTAGTTCTTTATA
[A, G]
TTCCATAAAATAAAGGTCTTAACTGACATAATTTACATTACTGACTTATAGTCAGATTTA
TAAATGTTACCTATTCTTAAATATCATCAACAACGTTATTATTTTCAAGTATATAAA
ACTTGGACATTTGGGTAATAATAGATTACAACTGGTCTATCAATTGAGGATATGGTTAC
TGGATATAGTACTATGTAGATTATGCTACAAAACATAATAAAATATAGCCTATTGAAAT
AGTTGAAAGCATATCACCGTTCTCCAACTACATGTTCCCAACCTTTAAATCTTTATT

105668 AGCAGAAATGGTATGATTTCTCTTTCAAATTTGTTAATGTTTTATGGCCTAGAATGA
CTTTCAGTTTCTTTTTGAATAATTTCGCAGGGATTTTTTTTCATTTTATGTGAGCTCAAC
TGTGCATATATGAAGATATTTGTATACTTTATTTCGGCATTTTAGTTTTTTATGCAAAGA
TTTTCAAGTTTTCTAGTTCTTTATAATTCATAAAATAAAGGTCTTAACTGACATAATTT
ACATTACTGACTTATAGTCAGATTTAATAAATGTTACCTATTCTTAAATATCATCAACAA
[C, T]
GTTATTATTTTCAAGTATATAAACTTGGACATTTGGGTAATAATAGATTACAACTG
GTCTATCAATTGAGGATATGGTTACTGGATATAGTACTATGTAGATTATGCTACAAAAC
ATAATAAAATATAGCCTATTGAAATAGTTGAAAGCATATCACCGTTCTCCAACTACATG
TTCCCAACCTTTAAATCTTTATTTTAAACTTTTGTTCCTCAGGGAACTGGAAAGT
ATTGTGGCTTTGTAGCTTTTAAACATTGAAAGATATATCTATGGGAGTATATTTTATGT

106657 AGGTGTACAAATTTACCACATATTTGATAGATTTTTCAAATATACTTTGAGTTCCCTGTT
TCATGCCAGGCACTTTACAAGTTATTAGAATCATTTTACTGGTTTGATTAGTTACTACAG
GTTTCTCATTTTATATTATTTTCATCACAAGCAATAAGTGTTTATAGATAATGAAATGTTG
ATATAATGGCTTTATTAACCTTTAGTTCTTCAGAAGTGTACCTCTCCTCATAACAGCTAC
TGGATCATCTAATCATCATATAGGGTGTACTTGGGAAGGAAGGAAGGAAGGAATAAAAG
[T, C]
GTGCAACTAGTTAGGCAAGTATTAATAAGCTGATAGATTCAAATTTTTATAGTCATGTTT
TTAAATAGTCTCAGATCTTTTCTTTAAACGCTCCATTATTGTAAATTTAAGAACAAAT
CTTCTCCCCTCAGGTGAAATGTATATCATCTTATTAGTTTTCCAAATCATTCTGTT
TGCCATTATTCAGACTTGAAATAGCTTTTTTATATCAAATGTCTAGTTTCCCATAAATCC
AGAAATAAGAATTTAGCTTACATAATTCACCTTCTCTGGCTCAAAGTCTTCTTCTCTCT

106855 CCTTTAGTTCTTCAGAAGTGTACCTCTCCTCATAACAGCTACTGGATCATCTAATCATCA
TATAGGGTGACTTGGGAAGGAAGGAAGGAAGGAATAAAAGTGTGCAACTAGTTAGGCA
AGTATTAAAAAGCTGATAGATTCAAATTTTTATAGTCATGTTCTTAAATAGTCTCAGATC
TTTTCTTTAAACGCTCCATTATTGTAAATTTAAGAACAAATCTTCTCCCCTCAGGTGA

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AATTGTATATCATCTTATTAGTTTTCCTGCTCAAAATCATTCTGTTGCCATTATTCAGACTT
[G, T]
AAATAGCTTTTTATATCAAATTGTCTAGTTTCCATAATTCCAGAAATAAAGAATTTTAG
CTTACATAAATTCACCTTCTGCTCAAAAGTCTTCTTCTCTATAAACTTATGTTTTTA
AACTATTTACCAGCGTTGTATAATTTAAGATATATTACTTTTCTTCTGTTAAATGC
TATGAACCATTGCATAATAAAATGGTCAAATTAGGCACTCATTAGTTGTTAATTTCCAG
GGCTAATTTTCTGTTGGCTTAAAGTATTCTATAAAATTAATTATTATTTCAAGGAGATT

106957 TGTGCAACTAGTTAGGCAAGTATTAAAAAGCTGATAGATTCAAATTTTTATAGTCATGTT
CTTAAATAGTCTCAGATCTTTTCTTTAAAACGCTCCATTATGTAAATTTAAGAACAAAT
TCTTCTCCCTCAGGTGAAATTTGTATATCATCTTATTAGTTTTCCTGCTCAAAATCATTCTGT
TTGCCATTATTCAGACTTGAAATAGCTTTTTATATCAAATTGTCTAGTTTCCATAATTC
CAGAAATAAAGAATTTAGCTTACATAATTCACTTCTGCTCAAAAGTCTTCTTCTCTCC
[T, -]
ATAAACTTATGTTTTTAAACTATTTACCAGCGTTGTATAATTTAAGATATATTACTTT
TCTTCTCTGTTAAATGCTATGAACCATTGCATAATAAAATGGTCAAATTAGGCACTCAT
TCAGTTGTTAATTTCCAGGCTAATTTTCTGTTGGCTTAAAGTATTCTATAAAATTAATT
ATTATTTCAAGGAGATTTTGGAGTTTCTCGACTTCTAATGGGATCCTGTGACCTGGCCAC
AACTTTAACTGGAACCTCCCATTTATATGAGTCTGAGGCTCTGAAACACCAAGGCTATGA

107957 TTTCTATATTTTTTCTTTTGTACTTTTAAAGAATTTTACTAAAGATATTGGCTTTAAG
GATAAACTATTTTTTTTTTTTGAATGGAGTCTTGCTCTGTTGCCAGGCTGGAGTGCA
GTGGTGTGATCTCAGCTCACTGCAACCTCCACCTCTTGGGTTCAAGCGATTCTCCTGCTC
CAGCCTCCCTAGTAGCTGGGACTACAGGCTCCACCACCACGCTGGCTAATTTTTTGTA
TTTTTAGTAGGGACGGGTTTCACTGTGTAGCCGGAATGGTCTCAATCTCCTGACCTCAT
[G, C]
ATCTGCCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCGCCAG
CTAGGATAAACTAAATTTTAAATTTCTGGATTTTCACTGACAGATGCATCTGAGATGTC
TCAGTTTCTCTGAGCTCTTATATTAAAGGAATTTCTCCTTCTTGTATGGAACCTAAGTG
AAATCTCACTGCAGAGCCATGTGGAAATTTGTATTAGTATGTTCTAGTGTAAGCAATA
GATCCTATTTCTTTTCTTAGAAGAGGAATCTTATTATATACTTTTCTGCTTGTGAGGG

108454 GCCATGTGGAAATTTGTATTAGTATGTTCTAGTGTAAGCAATAGATCCTATTTCTTTTC
CTTAGAAGAGGAATCTTATTATATACTTTTCTGCTTGTGAGGGTTGAAAGAACATCTA
GCTGAGGGCTTGTAAATTAAGTAAATAATTACTGTATGCAAATCAACATAAATAGTTCTG
AGCTTTCAAAGACAAGCAGTGTAAAGATGTGCTTACTTCACTCTTCTAAAGAAGACAAA
GTAGAAAATTACATTTTCTCTGTTAGGGAAGTGAATCACACAGGGGATATTGCTTA
[G, T]
GATTTTCACAAGGGTCATTATCTGTTTCTTCTGTTCTCGTGCCTACCAAATGGGAGAGAACA
TTGTCAAGATTAGGTCTGGGTATGGCAATTTCCCATGAATCCCGTCTTTCAATTCAGTC
TTGCAATTGTTTCAATTTCTAAATTTTACGCTGTTTTTTTCACTATTGGCTTACTTCTGCC
CTGGAGGTCTTTTCAATTCACCTATCATCTTCTGCTTCTTCTTCTTCAACCCCTTAA
CTACCACATCCAAAGAAAAGAAAACCAACCAATAAAACCAACATCACAAAGGTA

109894 AATTTCTATTGCCAAACCTAAATGGAATAATAAGAGAGAACTATTAATTATAGTGTCA
GATACATACGTGTGATGAGTAATCTTTAGTAGACACTCTGAGAAAAATTAGATTGAATGA
GGTTGAGAACCTGTCTCTGAATCTCAGTGTGTAGCATCTGTTTATTGTGGAATTTTTTTT
TAGGATTAGAAACCTTATGAATAATTGACAGGTGTTTTGTTTTAGCACTAATAGCTGTA
CATATTATATTTATAATGCTTAAAGGAGAATTTGCTTAAAGGAGAATTGGCCTAATACTA
[G, A]
TTATGTTTTCTATCTGTAATGTTTGGCCATATGTAACATTATCTTCATTCTGCAATCTGTT
AACTTTTCTGGCTTCATTTATTTATAGCATTAGTACAGGAAGTCTTCTCTCTAAAGT
GGGTTAGGTTCCAAAGTTTATAAAGTTATTTGCAAAGTTAGGATAAATTAGGTTTACTGA
GAACAATGCTTTGATCACAGCTGATTTGTATAAGCAATTTGTAATACTCTTATACCCAC
AGGAGAAATACAAATATGAGTTGGGTCTTAGGCCAGCTCATTAAATTGATTTAACTAT

110467 GCCAGCTCATTAAATGATTTAACTATGAATATTTAGAGTATGTTATTTTGGTAGGAGA
AACAAATAAAGGACAATATTATTTGAATAATGGTACTGCAATTAGACAGAAAGAAAACAA
TATTTCACTGTTGGTCTTATTTACTTTGTTGTGAGAACCAACAGATGGCTCTTTGATC
TTGTAGCCCCATATCTTTGGGTGATATAAGTAAAGGGAACAGTGGTGGGAATAGTGGC
AACATCTAGAGTGTACTGTGAAGCTCTCAGGGTCTTTCTCAGAAATTTGGTGTGGAGGTT
[A, G]
GTTGGGTGGGGACAGAGAAGGAATCTAGTTCATGCCCAACATTGGACTCAGGCTTTTCAT

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GTCTTAAGAAATCTTTGCCTACTCCAAGATCATGAAGATATTCTCTTGTTTTCTTTTAA

124748 AACAGTCTAGGATTTGGAAAGATAAATGCCTTAATTCAAGAGTCAGTTCTACCATTTACT
ACCTATGTGACCTTGGCCAAGTCATTTAACTTTTCTGAGCCAATTTTCAATCTATAAAAA
TGGGAAAAATATTACACGGGCTCTATTTCACTGGGAAGTTATAAGGGATTGTTGAGATAT
TGTCAGTGCTTTGTAAATGTAAAGTACCAGTCAGCTCAGTTGGAAATATTTAGTGTTAT
TATTTACTGGAACAGAAATATTCTCAGTGACATATCCAAAATCTCTTACAAATGCACA
[T, G]
TTTCATGAGTACCCACAAAATAGTTCATGGTATTATTTCATGTATTTATTTCTGTCTATC
CTTTGTTGTATTAGGACATTGTTAAAAGTTACATAAAATGTAACCTACACAAGGTCAAT
CACAAGTTTATTTCTTATCTTTCAAGTGACTAACATGAAAAGGAAAACTGGACAGTTAC
ATAATTCATAATGTCCATAAGATAAAAAATAATTCATTATTTCAGGAGAAGTGCCATTATTT
CTTAATACTAAGCTCAGACAGGAATTTCCCTTTTCAGTTTTTTTTTTAATGATGTAGAGTT

127581 CAACCAGCCATGTAAAGAGCCTCAGAAACAGTGTTTGAATCACAGGGAATAGCTGGCACA
GAGAGGTCCTGATTATGTTGTGCCTTGGAGGTAGGTACAAATGGGAGGGTTCTTATGCAA
GCATATGCTCTCAGGGAAGCCCATGCGGTCATGGGGAAGGCTAGACAGGAGAGGGAGGCA
GGCTTAGGTTTCTGATACTTCCAGCTCTCCTTCTGTGCAGGCCAAATGGGATCCAGTAG
AACCTGCAGGTGGTCTCTGGAAGAGCCTCATATGCTGGTTGTGGGGATCAAAAACACA
[C, T]
TGAAGAGGCTTTGAGCATTCAAAAAAAAAATGGGTCAAAGGTATTCACAGGGATCTGCT
GGGACCAAGATGAGGCAAGTGAGGCCCTTGACTCTGGGGCAAAGTTAAGGGGACACTAA
AATTCATAATCAAGATAAGTAATATTTTAAAAATCCAGATTAATGCTTAAATCCCAGGT
AACAAGATATTTAACCTTTTAAAGACAGAAATCCAGCAGGGCCAGGATTAGGGTGAGGTAAG
TGAGGTGGAATTTGTGCAAGTTCAGGGTTGGATCCTATCTTTAAAGTTTGTCTATTGTATT

128202 AATTTTGATTTTAAACAATAATGTTTCATTAAAATTATTTATCTTGCTACTGAGTTTTT
GGTGCCCTCTTAGATTTTGTGCCTGAGGTATCTCACTTGCCCTAAACCTTGCACTGGCCCT
GGGAGGTAGATACTGTCTCTACAGTCTGGGAGGTGGAAAAAGCTTGTGTCTTCTTGT
AGCTGAAAGTAGGCCTGCCCATGATTGGCAAAAGGGAGTGAGAGAGCAAGCAGTGCAAGA
TGAAGCTGGAGAGACAGGCAGGAGCCTGACCCTGCAAGATCTTCTTGGAAAAGCTACATG
[T, G]
AATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCCATGGTCA
AAAGCACCCCAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTAAAGAGGA
GCCTTTAAGATATGTGAGGTTGATCTTTTTTTTTCAGAACCTAATGTGTAGATATTCAGAA
ATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAATTAATGCC
ATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTTAAATGTATTGT

128496 TACATGTAATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCC
ATGGTCAAAAGCACCCCAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTA
AAGAGGAGCCTTTAAGATATGTGAGGTTGATCTTTTTTTTTCAGAACCTAATGTGTAGATA
TTCAGAAATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAAT
TAATGCCATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTTAAATG
[T, C]
ATTTGTCTTTAAAAATCTATTAGCACTAACTGACTGCATCGAGTATCCTAGAATTCAC
TAAGTCTTGCCAAAGAAATTAAGGAGCTTCAGGAACCTGGTGTTCCAAAGCCCTTTACCCC
AGGTGGTAGCAAAATGAAATCATGAAAGTTTAAACCACTGCACAGCTTACAGATCTGCAG
GGTAGCTCTGCAGTTGCCTTGCAAGGATATAGAGAAGTTAATATCTCAAATATTTAGTAA
CATTTATGCTAATGAGCCTTCATAATAACCATAAATGGCTTTCACATGTTGTTTGT

130108 AAGTGTGCCAGTCATCCCTGTCTATCTGGCTGCCTCTAGTCGGCCATCTTGCCCCTTCCC
TCATGCTAAATTTTATTGATTGTGTCTTCTATTCCAGGCTTAATACAGTAGATATTTTTT
GCTGAGGTATGGTGTAGTGGTTAATTGCACAGATTAATAACACTCTCTCAATTCAAATTC
TAGTTCACAGGTAATACTCTGTATTACTTTGGACAAGTTACTTAACCTCTCTATGACTAT
AAAAAAAAGTACCTACTTCATAGAGTTGCTCTGCATTTAAGTGAGTTAATTCATGTAAG
[T, G]
GCTTACAAGCATGGGGTTATTACCTGCTAAAATGTTAGCCAATGTGATTATTTAGCCTCT
TTTTTCAGTTAAGGAAATATGCTTAACATTAATCATACATTGAAAGATGTTTATGTGCTGG
TTGTTGGGATCGAAAACACTGAAGAGGCTGTGAGCATTCCACAAAAAAGAGTC
AAAAGGTATTACAGGGATCTGCTGGGAGGAGGATGAGGCAAGTGAGGCCCTTGACCCTG
TGGCAAAATTTCAATGGGACACCAAACTCAGAATCAAGATCAAATTTTAAATGCAATATT

132240 GCACCTGTGCTAACACCACCAGCAGGACCACATGCACAGTTGCCAGTGAGGGGCC

FIGURE 3, page 125 of 141

CGGCTCCCTGAGCCATTCTGTCTCTGCTGCTGCTGTGAATGCCCACAAGGAGACAGGCAC
CCTGACACCTGCTAGCACCCCTCCACAGCTGACAAGTCTGCACCCCTCCACACTGCCACT
CCACCACCACTGCCGCTGCTGGCACATGCAAGCAAGGATGGATCTGCTGCCACCATCCTA
CAAAATGGTATGGCTGGCACCATCCATCAGAGTGTAGTGACCAGCTGTCCAGGAGCACAT
[T, A]
GGCCCCCCCAGCGCAATGAGTTGACGACCTTGAGGAGCCAGAGAGCAAAATTGGGGCCCCA
GTACAAGTCTCCAGAGTTAGAGCACACAGCCCAGGAGCTGGGAGCTGAGCACTGGCTGC
CTAAAATTTTCCAGAAACAAAACCACTCTACTGAATCCACCTTATAACACAATCAAACCC
TCAAAGTTATCAAGTAGAATAAAAGGAAAAACATCCAAAGGATAGCATCTTCAAAGATT
GAAGGAACCTTCAGCCCAAAAGATGAGATAGAGCCAGTGAAGAACTTCGAGAACTCAA
133120 GGCTCATGCCCTATAATCCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCATTTGAGGTCA
GGAGTTTGAGACCAGCCTGGCCAACATGGGGAACCCCATCTCTACAAAATACAAAAGT
TAGCCAGGTGTAGTGGTATGTGCCTGTAATCCCAGTTACCAAGGAGGCTGTGGCAGGAGA
ATCGCTTGAACTGGGAGGCGGAGGTTGCAGTGAGCTGAGACAGCACCATTGCACTCCAG
CCTGGATGATGGAATGAGACTCCATCTCCAAAAAAAAGAATGCAATCTCAAGTATTAG
[C, T]
ATCAGAATGGACCTAGCTGAGGAAAGAATCTCAGAGCTTGAAGACTGGTTTTCTGAAATA
AGACAGTCAGGGAAGAATAGAGAAAAAGGAATGAATAAACCTCCAAGAAATATGGGATT
ATGTAAAAGAGGTCAAATCATGTCCCTGAAAGAGGTGGGGAATTTGAAGCAATTTGGAA
AACACAGAAATACATTGCATAGAAACATAGAAATTTTCATCCATAAGAACTTCCCCAACCT
AGCTAAAGAGGTCAACACTCAAATTCAGAAAATGCAGAGAGCCTCAGTAAGATACTTCAC
135891 CCCAAAGCTTATTAGTTTTTGCCTGGCCTGTCTCAAGATGCTTTTGCTCTCAGTAGTGTA
GTGATACTTTTATAAAATATTTGTTTAAATTTTCTGAACATGTTTGGGATGGGCTATATG
AGGGGAATCTTTGTTATTTATAGGCAAAAAGGATCCACCTGCAGACTCTGAGGGCACTG
TCAGAAGTACAGAAAATGACGCCAAGAGAAAGGATGCGGCTGAGGAAGCTCCAGGCGGCT
GATGAGAAAGCCAGGAAGCTGAAGTAAGCTGCTTTTCTTTAGGCACTCATGCTCGGGAC
[T, C]
ACTTCTCAGGGCTCTCAGGGAATTTACAGAGAAAAGCAAAAACCAAAACAGGAAACCCCA
ATGCATACGATTATGTATTTATGTGTTTATTCATTCACTTGTTCCTCAAGATGATTAT
TGAGCCATAGATTGAATGTGAGGTGCTATTAATATCAGGCTTTTCTGTTGTGAAGG
AAAGATTAACATTTTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCCAAACGAAAT
CTCATTGTTGTTGACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTCACCCGG
136385 TTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCCAAACGAAATCTCATTGTTGTTG
ACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTACCCGGATTCCCTAGGTGC
TTGCTGCGTACCTTCTACCAGGAGACCTCACTTATTTATAGGAAGGAGACTTTATTGGCA
GGAAATTGTTAGCTTTTGAAGAAGTAGACTGGAAACAGAGCTCTGTTCTGTCAAGTGAA
GCATTTAGAAAAGTCTATGCTCAGGGCGATGTTGCTGGTGGGAGATATCACTAGTAATTA
[G, C]
AGTATTTACATGAAAAGTGAAATTTTCAAGGTGTTAGCCAGGATGTAGAGAAAAGGGAACC
CTTGTCAGTAGTGGTGAGAATGTAATCAGTACAGCCATTATGGAAAAATAGCATGAAG
ATTCTCTTAACATTAATAAATAGAACTACCATATGATCTGGCAATCTACATTTGGACT
TATATCCAAAGAAAATGAAATCAGTATATAGAAAAGATACTTATACTCCAATGTTTCATTG
CAGAATTATTACAGTAGCCGAGATATGGACTCAACCTACGTATCCATCAACAGATAAGG
137408 ATCTAAACATTTTTTGTCAATTAAATTTTAATAAAGCTGAAAAAATACATGTATAAAAA
GGAATTTCAAAGAGGCTTAGAGCCTCAATTTCTGAAAGACTGATTTATGTGTTGGTAGGT
TATCAAATTTCCAAATTTTCTTATTTTTTCTTCTCTGCAATATTTTGGTAGTTTAGG
AGCCCCAATCAAGAACTAGAGAGACAGAAAGAACCTGAACACAAATCTACGCATTTTGT
CCCTTGTTAATTTATCCAAAAATGATTTAGAGGTGTCTTGTACTTAGAATGAATATCA
[C, T]
GATAAGCCAAGTAAGAATCTATGAGTCTATTTCCCGTAACATTTGCTTTCTTTAATAAA
TTGGTAGAGAAAGATTTCCATGAAAGTACATTGTGAGCAGTGGTGTGCTGGTAAATATTT
AACACCAGCTCTGGGTTTGAAGGGGACTGCTTATTTGTTGCTGATTTCTGTGATATA
ATACTTCCACTGTGGCCAATATCAAGCTAACATATGATACCATTTAATATTCAGTTGGG
AAGATATTTACACAATCTGCTCTTGAGCCAATACAAGTTGGATTCTGCAAAACCACTATGA
141673 GTTCAGGCCACAGACTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTTGTGCAG
TCACATCAGTCATTTCCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTT
CAGGAAAACCTTGTGAGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTA
TGGCTTATAGTATTCTCAAACCTGAAATGCACCTTGATTGCCTATGAATCTTGTTAAGAT

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GCAGATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTT
 [-, T]
 ATTTTTATTTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTG
 CAGTGGCGGGATCTCGGCTCAATGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGC
 CTCAGCCTCCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTG
 TATTTTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCT
 CGTGATCCGCCCGCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCC

141688 CTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTTGTGCAGTCACATCAGTCATTT
 CCCTCTGGCACATTGTGAGCATCCCATCTCTCTTTCAATTGTTTTAGGAAAACCTTGTC
 AGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTATGGCTTATAGTATTC
 TCAAACTTGAAATGCACCTTGATTGCCTATGAATCTGTTAAGATGCAGATTCTGATTCA
 ATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTTATTTTTATTTATTT
 [T, A]
 TTTTTTTTTGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCGGGATCTC
 GGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCTCCCAAGT
 AGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTATTTTTAGTAGAGA
 CGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCC
 TCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGGCGATGTTGCAT

141736 CATCAGTCATTTCCCTCTGGCACATTGTGAGCATCCCATCTCTCTTTCAATTGTTTTAG
 GAAAACCTTGTCAGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTATGG
 CTTATAGTATTTCTCAAACCTGAAATGCACCTTGATTGCCTATGAATCTGTTAAGATGCA
 GATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTTAT
 TTTTATTTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCA
 [G, C]
 TGGCGGGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTC
 AGCCTCCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTAT
 TTTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGT
 GATCCGCCCGCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGG
 CCGATGTTGCATTTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTTCCTAT

141982 TTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCG
 GGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCT
 CCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTATTTTTTA
 GTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCC
 GCCCGCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGCGGAT
 [T, C, G]
 TTGCATTTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTTCCTATGTATAC
 CTTGATTAATAATGAATAGAAAATGGGCCTCCTGAAAGCAGCACTTCACTCTAGATGAA
 GAAAGACTTGGAAAACCACTGCTGAACAGACTTGTCTATAATCTCTTTAGGAAAAAACAC
 ATTTAAAAGGAATGGAAGAAAAGGAGGAGCAACCTGAGGGAAGACTTTCTTGTTCACCCC
 AGGACGAGGATGAAGAGAGGTGGCAAGGCAAGGAAGAGGCAAGTTTAAATCATATTACAA

150406 CAGCACCCACGGACATCTCAAAATAAGTAAACCGCTGGGAAGGCTATATGTCATCCCAT
 GGATCATCACTTAGCTAAATATAAATCATATAGTAGTTATTATACTAAAGGTCATGCTAA
 TAAGGCAGAGGGCATCCTTAAGTGGCCTTGCTTGGGTATCATGGCTCAGATTTGGAACA
 AATCAATTAAGCAGAAAATTAATAAGTATCAATCATAGCTTTAAGGTTGGATAGAAACA
 AATGTAATAGAGTAAACCTTATAGAATGTGTGTTTCAGACAGTGCTCTGCATATACCAC
 [G, C]
 GTATGGTTTTCTTTAGTTGATGAATTTATTTTCCATGCATGCAGGTTTACAGTTGTGC
 TCCATACTTATGTGCTTACCCTTGGAGAACATTGTTATGATGGCCAAAGAAAGCTAAGC
 TGCCATATGAAAGGAATCTTTCAGATCTGCCTTTGAGTCCTGACTTTCCCATGTGATTG
 CACTGTGATTTTAAAGAACATAATTTCTGTCTATGTCAGTTTCAAATTTGTTTTTCATC
 AATAAAATGCAGTTAGTAATACCAATCTGAAAAATTTACTGTATTAAGTGAGACAACATG

150903 AACATAATTTCTGTCATCTGCAGTTTTCAAATTTGTTTTTCATCAATAAAATGCAGTTAG
 TAATACCAATCTGAAAAATTTACTGTATTAAGTGAGACAACATGTATTTGATATAACACA
 TATGTTAACATACAGTAACATACATGTCTGTTACTGTATTTGCTCAATCAGTGACAGGA
 GCTATTACTACCAAAACAGATATAGAATGGTTAGATGGTGCTTATCACCTCTTGTCTACT
 TGTTAGAATCGGACTTATCTTTTAAAGCCAGCTCAAAGACGTCCTCCTTGATTTCGACGT
 [G, C]
 AGAAGATGTCTCCTACCAGGACTCTTTGACTAATCTCCCTGATCATTTTTCTCCTTTCTT

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AGAACATATCCTATGCTGCCTTACAGTACTGAGGTTGTGAACCTGACTGTTGCCCTAGCG
TAGGTTGAAAACTGGGATGTCTTTGTTAACAAGTCTTTGGAAAGCACTTTAAAAAGAAT
AGTAAGTAGTTATATTATAAAAAATTACAGACACAGGATGAACAACAACATACAAAAAAC
TATTCAAAATATCACTCACGTGAATACAGTCATGTACTGCTTAATGACAGGAATATGTTCT

152612 GTTGTGTGGCAGTGTGATAGTATTAAGAGGTGGGGTCATTAAGAGGCAATTCACCTCATGAG
GACTCCCTCCTTATGAATGGGATTAAGTGCCCTTATCAAAGGGCTTGATGGAGTGAGTTC
ATCCCTCTGTTCTTCTACCTTCCACCATGTGAGGACACAGTGTTCCTTCACTGCAGAGG
ATCAAGCAATAATACGCCATGTTGGCAGCAGGGAGCAGCCCTTACCACACAACCGAACCT
GCTGTTGCCCTTGATCTTGGACTTCCCAGCCTCCAGGACTGTGAGAAATAAATTTATGTTT
[T, C]
TTATAAATTACCCAGTCCGTGGTATTTTGTGACAATAGCACAGATAGGCTAAGAAAAGGA
CAGAACTTGTACTGACAGTTTCTTATGCAGATTTCAAGGAGAGCTTTATCTGAAAAATAT
GAGCTGGAAGTAAGGAGTTGCACAACCATAGTCATGACAAGGACACTTAGTCTGTATGC
ATGTGAGGAGTTTAAATAATTGTATTTTCATGAAATTTAGAGTGGGAAAAAGCAGTAGC
TCTAAATATTTTATATAATATGGGAACATAAGTTTAAATTTGTTACTAAATTAACAATGT

153900 TGGGTGAACACTACTGATCTTACCACAACAGTCTATCTTAGTTACCTGACTCTGAAATTA
GGGTAATGAACAAAACCCAAATATATAATTGAATCATGTGAAATTTATGTTCCAATTAGA
TAGAGAAACAAATACCTTTATTCTTTTACAAAATAATATATTGACTTGTACCAAATGAA
CTATTATAAAATAGGCTTATTTCTTCATATTCTATCATAAACTGATGACAAAAACAATA
TTTTATTTAGTTTAAATTTCTGATTAACCTAAAAAGCAAAATATAATTAAAAAGGA
[G, A]
TGAGCTATAAATCCCTTGTACCTAGGTCAGCAGGCGTATTTGTTACAGCAGCAAGTGTA
GCCTAGCCTGACCAATACAATTGAGAAATATCATATTGTACTTTACAGAATCAAAGACAC
CATCAATTTTGAGATGAATCATTATATTATATATCATTAATAAACTACTGTCCATGAAA
TTATGATATGCGTCTATTTTAAGATGCATCTCCATTTCAGAGGTGTTCAAATGTGCAAT
ATATGTGAGGCATTTATTAAGTTGGTCTTGAATCTCTTAATTCAGTCTATAATATGTAA

158595 GTAATCCTCCCAAGGCTCCTTGGGATGTGTCTGCCTAAGAACTACTGGGAATTAAGGG
TTGTATGAAGTATAGTCTGTATTACAGGTGCACACTTGTTCCTTTGTTTGTATCAGTTA
GTCTCCCATGGAATTCATGACAGCACTTCCATATGACAGAACGTTAGCAAATATTGGT
TGAATCACTATTTTAAATAACAGGCCCTAGTAGGGCCATTACGTGAAATATTTTGTAG
TGGTTGTGTTGACTGGATCCTCTGGAAGCAGATAATAGGACAGAGTTAGAAGTATAAGA
[G, T]
CTGTAATAGGGTAAAGTCTGTTGAAAGAAAAGTATAGAAAAGATTGGGAGTAGGCAGAGA
ACCTTCAGACTATGATGCAGGTCTGACACCTGTGAAAGGCAAGCAGGAAGGAAAACAGAC
TGGGCAAGAAGAGTCTCAGACAGCACTGGAGCTCTGAGACAGCCTCATTAGCCCAATGG
GTGGCTTTGAACCAGCTTTTACTGGTTCAAAGATTTCCCATAGAGGAATCCCATATTGGA
CAGAAATGCTATTCCCTACTGTCCCCCACCACTCAAATGCTCAACTGATCCCCAATATC

162718 ACCAAGGATTGCCAACAGCCACCAGAAGCTAGGAAGGAGGGGAGGCCTGGAACAGATTCT
TCCTCAGAGCTTCCAGAAGGAACCAACCTGCCAGTGCCCTGATTTTGGACTTCTGACCT
CCAGAATTGTGAGAGAATAAATTTCTGTTGTTTAAAGTCACCAAAATTTGTGGGACTTCAT
TACAGCAGGCCTAGGAAACTAAAACACTTCTTGTCTTAGTCTGTTAGGCTGTTGTAACA
AAATACCATAGACTAGGTGGCTTATAAACAACAGAAATTTATTTATTACCATTCTGGAGA
[-, C]
TGGGAAATCCAACATCAATGCATTGGCAGATTCAGTGTCTGGCAAGGGCCTATTTTCTGG
TTCATAGATGATGACTTCTCACTGCATCTTTTATAAGGGTACTAATCCATTTCATGAAGC
CTCCATTCTCACAATCTCATCCCCCTCAAAGGCTCCAACCTTCTAATATCATCACATTGG
TGATTACGTTTCAACATATCAATTTAGGGGAGACACAAACATTAACCAAAACCATTTCC
TTTATTCACTTTAAAAACATAAACCCCTTTTATCTCATTTTGTATAGCAGTCAAGAGAAC

164528 AAAGGTGAGTTGGAAAAAGCCTTAGTGTACAGACTTCTTTAACAGCAGGAAATCAATTA
ATAGTATCTAAAAGTGAAACACATAGCCAATAAAAGATACAATGACTGCAGCCTCTTCAC
ATTGTTATAATTATTTATTTCTTATCCTTACAGAGGTATGTTATTAACATAATATCTCTTGTG
GTAAAGGAACAATTATCTAAAGTTCAGCAACTACTCAGTTTCAGTTTTTCTTTGATAAT
TTCAAAAATACATTTAATACCTAGAAAAATAATACTGTATTGATTTCTCATTGCCGCT
[G, A]
TAACAAATAATCACAACTTAGTGGCTTAAGCAATGCAATGGACTCTCTTACAGCTCTG
GAGATTAAGTCCAGATTGGTCTCACTGGGCTAAAATCAAGATGTCACTGGCCTGCAT
TCCTTCTGGAGGCTCTAGTGACCTTGTGTTTCCAGCTCATAGAGCTCCTGCATTCCCTGG
TTTGTGCCCTCCTTCTCTATTTTCAAAGCTAGCAACACTGGACCAAGCCCTTCTGATGC

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TGCCATCTCTCTGGTTCCTCCCTCTTCTGTGCTGTGCCCTCTTCTATTTTTAAGGACTCTT

165214 TTAACCTCTGCTTTGCCATGTAAGATAACATATTCAAAAACCTCTGGGGATTAGGATGTGAACATTGTTTTGGGGGTTATTTCTGCTACTACAAATACTCTGAATTCTGATAAAAAAATACAATGTTTTAAAAAGAGAGTTAAGGACAGTCTTTTCAACAAATGATATTAGGAAGACTGGATATCTCATGCAAAAGAATAAAGCTAGACCCTTACCTCATACCAAAAATTTAAATTTAAATAGATCAAAAACCTAAACTATAAAAACACATAGAAGAAAGCTCATGACATTGGATATGA[C, G]
AGTAATTTTATTGATATGACACCAAAAGTACCAGCAACAAAAGAAAACATAAACATGGATTTCATCAAAATGAGAAATTTTATGTATCAAAGAACAGTATCAACATAGTAAAGTGGCAACCCACAGAACGGGAGAGAATATTTGCCAAAGCACATATCCAATAAGGGATTAAATATCCAGAAATATATAAAGAACTCTTGAAAACAACAACAAATCAAACAGCCCAATTAATAATGGACAAAAGATTTGAATAGAAATTTCTCCAAGAAGATATACAGATGGCCAATAAGCACATAAAATG

166052 TTCCACATGTGATTATATACCTCCAAAATTGAAAGCAGGGTCTCAAAGAGATATTTGTATACCGATGTTACAGCAGCACTATTACCATAGCCAAAAGGTGAAAACAACCTCAAATGTCATTGATGGATGAATGGATAAACAAGTATAACATACATAACAATGGAATATTATTCAGCCTTGAAAAGGAAGAAAATTTCTGATACATGCCACCATGTAATGAACCTTGAAGACATTATGCTACATGCAATAAGCCAGACACAAGGGGACAAATATTGCATAATTTCTGCTTTAATGAGCTA[C, T]
GTATAGCAGCCAAAATCATAGAGACAGAAAGTAGAACTGTGGTTGTGAGGGTCTTGGGGGAAGGAAGTAAATGGGGAGTTATTGTTTTCATGGTACAGAGTTTCCATTTGGGAAGATAAAAAATTCTGGACAGGGATGGTGGTGTATGGTTGCACAACAGTGTGATGGTGTGGTAAATCGGCTGTGTCCCCAGCTACTGAATAAACTCTAGGTAGCAGCTTTCAAACCTTTTGGCACCAGGACACCTTAACACGCTTAAAAATTTGCTTGGGACACTGAAGAGCTTTTGTTTACATGGTTATA

170782 CTTAGGGATTCTTAGTCAGCCTAGGAAATCCAGCTAGTCCTGTCTCTGAGTACCCCTCTCAACAGGAAAACCAAGTGCTGTTGGGGAGGATGGCCGATGACTGCTCTAACTGCTTCCTGCTGAATTTGGGGCGTAGTGGGGGTTATGCAGTTGAGATTTCTCTGGAGGGGTGCCTTCGATGTCATTAAACATCGGAGCATGGGCTAGCAGGCCGGTCCAGGGGTCTGCGGTAGATCTTAGTCATGGACTGCGTCTGGGGCTCCATTTGAAGAACAATTTGTAGTTTGTAGAGCTTCAATT[T, C]
TGGAAGAGACAACTTAAACAAGGAGGTTAAAGATACAGGGATTGAAATGTATGGCCTGAAGTGACAGGGGATTATTTCTTTGGGACACTTCACAGGCCCTGACTATCTGCTTGATAGTTTTGAAAAGGCCTGGCCAGTAAATAATAATTTGGCCATCTGATGGGTACTATCAATGCCTAAGTGGAAGGTTAGGTGAAGGTTTTAAGTAATTTCTATTGGTTAGCTGCAGGCAAAATATTTTCTCTCTCTGCTGGCTAGCCATCTGGAGGGGAGGGAAGTATGTCCTCGTGAGGTTCCC

171439 TACTAGGGGTCTTCTATAAGCATTTCTAATGGAGGGTCTGCCTTGACAGCTCTTTTGACTTCAATATCTGCTTGGCGGTTCCCTTCTATTTCCCTTTCCTTTCTCTGATGATGATGGCAGTGTAAGACTGCCACCTCTTCAGGTTTCTGTACAGCCAATAATAATCTCCTAATGGCTTCCTGATGTTTTGATAGGTGTTCCCTCGAAATTAGGAATTCCTTTCTCTCCATATTGCTGCATGGGCATGGAGGACTAGTGAAGCATACTTAGAGTCTGTATATATATTTACCCTTTTT[C, T]
CCTTCTCCTAATTTCTAGTGCCCGAGTGAGGGCTGTTAGTTTTGCCAGCTGAGCACTAGTTCCTGGAGTGAGGGGTTTACTTTCAAGTATTCCATTATCACTGACCCTGCATACCCTGCTTTTCAAAGTCCTTTTTCTACAAAGGAACCTCCATCAGTATACAAGCTGAGGTGCGGATCATGCAAGGGACCCCTCAAAAGGTCCCTTCAAGTGGCATAGGTTTGAGCAATTACTTGTGACAGTTACATTCTATCTTTTCTTATTGTCTGGAAGAAATGTGGCTGGGTTAAGAGTTGCA

175068 TTTGGTATTGTTTTGGGAGGTATCATTTTTAGTAGAAACAAAGGAAATGAGAGAGCAAACTCTGTACATATCTAGGGGAAATGTTCTCTCTGACAGAAATGTGCCTCTCCTTTTACCCAGCATTTTCTTGTAGTAGTTTATCATCCAGAAATACCTCTACAACTTTGCAAAGTTATGTGTTCAACCAACATTGAAGTGTGTAAGTAAATTTAGGTTGAGAGTTTATCATGAGTGGAGATTTTTCTCTGAGCAATGCTAAACAGCAGGTTGTAGGAATGTCCCTCCAGTCATTTTTTTTT[-, T]
CTTTCTGGCAGGCATCCTGTATAACTACTCCAGACCAATTTAATGTTAATTTCTCATGAATCCTACAGCACATGAGAAATGTAAATTCAGATTTTTATTTTATTTTATTTTATTTTGAGACAGAGTCTCGTTCTGTGCGCCAGGCTGGAGCGCAGTGGCACAATCTCTGCTCGCTGCAATCTCTGCCTCACCGGATTCAAGCGATTCTCTGCCTCAGCCTCCTGAATAGCTGGGATTGTAGGTGTGCACAACACACCTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTACCACCA

178314 TACTACAATGCAAATGTACAACACATCTATTTCTCCCTACTCATTAAATAGGCCAAAATT

FIGURE 3, page 129 of 141

179835 CTTTCAGACAAAGTGAAGATGACAATGATTTTCTGAGAATGACTGAGGAGAACTCTACCAG
AAAATTGTAGACAGTTTACCATGAATACTTAGAGATAAAGAGCTTTTCCAGATAGGCTGT
AAGATATAGTAGTTGCAAGTTTCTATTTGTTAAGAACTGTTTTATTTTTAACTTAAC
AAAGGTTTAATAGCTTTAACATTTAAAAAATTTATGCACAAATACCTTGGTCCTAAGCCA
AATATTAACAAGTCACAGAGCAAAAAGTAAAACGCTAATAAAAAATATTAGAATCGTTAG
[G,A]
GTTCACTCTTAATTTTTAAAATTCAATTAAAAATGAATACAATAACACATTTATCTATCAC
ACAAGCAAAAATTAAAGTAAGAAACAATAAAAAATATGCATCACTAGAGGGCTAACATTAC
AGGTACTGCATCATTCCTTTAACATCGCATATTGTTTTATTTATTTATTTTTATTTATATACT
TAAGTTCTAGGTTACATGTGCACAACGCTGCAGGTTTGTTCACATATGTATACATGTGCCAT
TTTGGTGTGCTGCACCCATTAAAGCTGCACCCATTAAAGTCATCATTTTATATTAGGTATTTT

186140 TTCAAAGCTCAGTTGGAAATGCAGAATCACCCATCTTCTGCATCACTCGCGCTGGGAGCT
GTAGACTGGAACGTGTTTCTATTAGGCCATCTTTGTTAAGAAACTGTTAATTACCCTTGCC
AAAAAGTCAACATCTAAATGTCAAGATGTTTCTTAGTACTAGAAGAGGCCTGGAATTCTA
CTGTTAGGGACTTTTGCAGCCTGCATGGAAGATCTGAGTTCGTGTTGGCAACTTTATTCT
CTGTCAGATTTCAAGTTGCAAAATAATTCTCCTGTTAGATCCTGTGATAGTTAATTTTAT
[G,A]
TGTCTATTTGGCTAGGCCATGGTAGTTTGGTCCATCACCAGTCTAGATGTTGCTGTGAAG
GTGTTTTTAAGATGCAATTAAATATTTTTATATCAGTAGACTTTGAGTAAAGCAGATTACT
CTTGATAATGTCATAATGTGAGTGGGCCTCATCCAATCAGTTGAAAGCTTTAAGAGAAGT
AGACTGATCTTCCCCAAGAAGGAATTCTGTCTCAGGCTTCCTTTGGACTTAAGGT
TGCAACATTAACCTCTTTTCTGAGTGTCCAGCCTGTTGCCCTACCTCATGGCCTACCTTG

186541 TTTGAGTAAAGCAGATTACTCTTGATAATGTCATAATGTGAGTGGGCCTCATCCAATCAG
TTGAAAGCTTTAAGAGAAGAAGACTGATCTTCCCCAAGAAGAAGGAATTCTGTCTCCAG
GCTTCCTTTGGACTTAAGGTTGCAACATTAACCTCTTTTCTGAGTGTCCAGCCTGTTGCC
TACCCCTCATGGCCTACCTTGCAAGATTTTGGACTTGCCAGCCCCCATAATTGCATGAATGT
GAACCAACTCCTTAAACCCCCCATGCCACCATCTCCACACACACACACACACACACA
[-, C]
ATCCCATCTTGCTGTGTTAAGTTTGCCCTCTTACATTGGTGAGCCGAGAATGTCTTTAGG
CCAGCAAGCATGTTCTAGCAGTTTCTGACTGCCTCCAGATGGCCGGTTAACAGAAGGGT
GCTGCCAATGGGAGACAAATGTTTTCAGGAGACAGAGGTGGAAAAGAGAAATTATGAT
GTTAGGATTTTATTGAAGAGAACTCTCATTGGCTTACAAGGTGTTCTGTCTGCCAGCA
ATTATACAAGTTTGCTAAGTGCATTCCAATGTACATGACAGAACTTTGTTAATGAGAAAA

[illegible]

188593 AAGTTTGTTTTAGAAAAGGTCACGGTACTAACCCATAGTTTATTGTGTGAGGAAAGAAA
GCATCATGGCAAACCAAGCAACTGATGTGCACCCCATCCTAAGAATATAAACATATTGT
TTGTATTTGAGGTTCA GTTCCACTTGCAGTTAGTGATATTATTCTCAAAGTTGACTTGAT
TCCTGCTGTGCTGTGAAATATACAAGGACAAAAAACCAACACCGCATGTTCTCACTCAT

AGGTGGGAATTGAACAATGAGAACACTTGGTCACAGGAAGGGGAACATCACACACCGGGG
[A, C]
CTGTTGTGGGGCGGGGGAGGGGAAGGGATAGCATTAGGAGATATACCTAATGTAAATG
ACGAGTTAATGGGTGCAGCACACCAACATGGGCACACGTATACATATGTAACAGACCTGCA
CGTTGTGCACATGTACCCTAGAACTTAAAGTATAACAAAAAATATATAAAAAAAGA
AAAGAAAGATATTGTCTACCATGGGGGTGTGGGAGGTCTGTGAGCTGCCTTTCTCTGGG
CAAGGGGGTTGCCAGAAGGCTGGGGTTGGGCATTTATTCAACCTGTGCATGTAGATATG

192900 CATCTCTAGCAAACTAACACAAGAACAGAAAACCAAACTGCATGTTCTCACTCATAAG
TGGGAGTTGAACAATGAGAACACATGGACACAGGGAGGGGAACATCACACACTGGGGTCT
GTCAGGGGGTGGGGGACTAGGGGAGGGACAGCATTAGGAGAAATACCTAATGTGGATGAT
GGGTTGATGGGTGCAGCAAACTGGGTGTAGCAAACCATCAGGACGCGTGTGTATCCATG
GAACAAACCTGCATGTTCTGCACATGTATCCCCAACTTAAAGTATACAAAAA
[-, A, G]
AGGAATAAGAGATTAGGACACAGGGACACCAGGGTATGCATGCACAGAGGATGACCTTGT
GAAGAAGCAGCAAGAGGGAAGCCAAGGAGAAAGGCCTCAGAGGAATCCAACCTGCTGGC
CCCTTAATCTCCAACCTCCAGAACTCTGGGAAATAAAATTTCTATTGTTTAAATCACCCAA
TCTGTGGTATCTTCTATTACAGCTCTGGCTGACTTAATACAGCAGCCAACATGCACAGC
AGCTAGCAGACGAGGGTGTGCCAATTATACTTTGGAGTGTGTCTGGGAAGAGAATTTGTG

193005 CACACACTGGGGTCTGTCAGGGGGTGGGGGACTAGGGGAGGGACAGCATTAGGAGAAATA
CCTAATGTGGATGATGGGTTGATGGGTGCAGCAAACCTGGGTGTAGCAAACCATCAGGAC
GCGTGTGTATCCATGGAACAAACCTGCATGTTCTGCACATGTATCCCCAACTTAAAGTA
TACAAAAAAGAGGGAATAAGAGATTAGGACACAGGGACACCAGGGTATGCATGCA
CAGAGGATGACCTTGTGAAGAAGCAGCAAGAGGGAAGCCAAGGAGAAAGGCCTCAGAGGA
[A, T]
TCCAACCTGCTGGCCCTTAACTCTCCAACCTCCAGAACTCTGGGAAATAAAATTTCTATT
GTTTAAATCACCCAATCTGTGGTATCTTCTCATTACAGCTCTGGCTGACTTAATACAGCA
GCCAACATGCACAGCAGCTAGCAGACGAGGGTGTGCCAATTATACTTTGGAGTGTGTCTG
GGAAGAGAATTTGTGTGGGCATTGATAGTAGCCACTACCCCACTTACAAATGAGAACA
CCGTGACCCAGAGAAGTGAAGTAGCCACCTGAGGTACACAGCCAATAAGCAACGGAGG

195888 CTGAACCTTACTTTTCTATCTGAAAAGTGGGCAGAAAAATGTCATTCTAGTCTACATTG
AAGAGTTGTTGCAAGATCAAATGGTATCTTTGTGCTATTAAATGGTATCAAATTTTGT
GGTATCAAATGTATATCAGCATGCTTTTTAACTGTAAATGCACACAAATATAAAGATT
ATACTTTGGGCTGCTCACCTTAGCTTTGTCTTTCTATCAACAAATGGGAGTAGTT
GAATTACTTATACCTCTATGGAGATTTTAAAGTAATTTAGACAATAATAGCACAGTAACT
[C, T]
GAGCTCTTCTAAGGTAAAGTTTTTCTTACGTTTATGTTTTGTCTTTAACATACAAAGGTT
GAAATATGTAGAAATAGTATAAAATCTTTTAGATTTTATTATAGTGTATACTCTTATTGT
AACTAGTCACATTCTAGAGCAGTGATTCTGAGAGGGCAGCCTCCAAACCAGCAGCATCAG
CATCAGCTGGGAACCTGTGAGTAATGCAGATTCTCAGGTACCACACCAGCCTGCTGAAT
CAGCAAGTCTTGGGGTGGGACCCAGAGATCCGTTTAAACAAGCCCACAGGTGATCCTGAT

196643 TTCATAAACACATTCTGTTACTGCTTGCCTGGCATAACAGAAGATCTGGAATGCCACTCCA
GTATACCCATTATGAGGCTGACTTCAGGGTGAAGGAAATTAAGCTGTTTATCAGACTC
TTTTCCCTTAGTGACAGGAGAAAGGAATCTTAAGCTAAGAAGGCTTCAAGTTGGGTCTA
TGTATGAAAAACATGAGGCGTGACAAACACAGTTTGAACGGACTTACGTTTTTTTGTACT
TTCCCTTTGAAAATGAAAATGAGTCCTTTTGTGGGCAGCACCAATTAGTGGTGCTTAC
[T, C]
TAAGAAATACTGGAGACAGATTCAATCCAGTTTGTTCATAACTTAGGTGGCAGAATGGC
ACTTTTCCCTGGCCACTTCTTTCTCTTCCCTTCTAGGAGGAAATCTTAGGTAGGAGA
GGGAAAGGGACTAAGGCTGTCTGTACACAATGAGCTACGTTTGGGAAGAGGAGCTTAGT
GTTTTAACAAAAGAAAGGTTTGTCTGTGTTGTAGAGATATGACTTGGTCCACTGCCTATG
TTTGTAAATAAAGTTTATTGGGACATAGCCACACTCATTTATTTATGTATTGTCTGTTT

198793 AAAAAATCTTTTATACTGTATTTTTACTGTACATTTTAAATGTTAAGATACACAAGTACT
TACCACTGTATTACAATTGTCTACAGTATTCAGTGTAGTAACATGCTGTACAGGGTTGTA
GCCTAGGAGCAATAGGCTATACCACATAAACATAGATGTGTAGTAGGTTATACCATCGAG
GTTTGTAAATAAGTACACTCTATGATGTTTACACAATGATGAAATCACCTGAATGACATAT
TCCTCAGAACATATCCTCGTTGTTAAGTGATGCATGACTTATTTCTTCTGGTGTGGGT
[G, A]
TTACAGGAAAACTACTGAGTGTTCCTTATTTGATACATACTTTGCATCCATTATACT

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ATGTAATGTTTACAACAATTCCATGAGATGAATATTATCATCTTTATTTTATAGATGAGA
AAACTGAAGTGCAGAAAGCTTAAATAACACAGTGTTACAGAGCTATTGCTAGAGGCTTGA
TTTAAATGCAGATTTTGTCTTTTATGCCAAAGCCAGCATTCTAAAGGAGTGTTTCTGAATG
TTGGCCTCTCTAGCTAGGTTGGGGTGTCTTTTCAAAGTGCAGGTTGAGAGGTCAGTTTAGT

204566 TTATAAGGGGTTTCCTTTTTCACCTTGTCTCTATTCTCTCTTGCCTGCAGCCAGGTAAGA
CATGGCTTTCACCTTCCACCATGACTGTGAGGCCTTTCAGCCATGTGGAACGTGTGAGTC
CCTTAAACCTCTTTTCTTTTATAAATTACCCAGCCTCACGTATGTCATTATTAGCAGTGT
GAGAACAGACTAAATACAGCCTCTCACATACATGGTGGTATTTTGTCTCACAAACCTGT
TGGGTAGTTATCTTATTCCTATTTTCTTTTTTCTTTTTTTTTTTTGGAGACAGTGTCTCG
[T, A, C]
TCTGTTGCCAGACTGGAGTGCAGTGGCATGATCTCTGCTCACTCTAATTGAGGAAAGTT
AGTTTCTGAGAGAGGTGTAGCCTTCCCTGCGGTACGTAGCTAGGCAAGGATCAGACTCAT
GCCTCAGGCCACATCAGTCACATTCTCAAGTCAATGTTTTTGTCTACTATAGAATATATA
TTGACCTAGAATGGACTTGGCATAAGGGAAACAGAA

206094 TCTTCTGTCTTTCCTTTGCTGCCTTGACTATCATTTTTCTCTCCAAGACTAATAAATGGC
TCAGATGCATCCAGTAATACACATACTAGGTGGACAATAATGACTCGACACAAATCTTCC
TCGGAAGGGCTTTGTTTAAATGAATGTGGCTGTCACTGAGGCTTGTTTAAGAAGGCTCTT
CAGGACTATGGTGTGTTTCTTCTTCTAAGATGAAAGGCGGCAGAGTTCCACTATTCCAGTT
AATTCTGAAGTTCTCAATGCTTTTTTCCCAAATCATTCAGAGGTTTGAATTTCTTAGGA
[A, T]
AAACAATTGATTTTCTTCTTGAACATTGTCCCGGGCAGAGAACTGGATATGCGATAGG
CAAGGCCTGAGATTCTGCTGAGGACCTTGGATCTGATTGTGATGATGGTAGGTGCCTCC
AAGAGTTCCTGCTGTGTTAGTTGAGTCATTAGTTTAAATCAGATCATAGTAATGATAACAGTA
ACAGCTAGTATTTCCAGAACTCTTCTATGCTCGTACTTTGCATGCTGTGTGCTAGTTC
AGGTACTCCAGGAAGCAGGTGATGAGACAGAATTAGAAATAAAAAGGAAATTCCTATCAA

209224 TCATTACCTAGACAGGGAGAGTAATAACCATTTTCATGGTGTCCAGCCTGGGAGGAAAGG
GTTGTGACACATGGGGGCCATTGTTGGGGGTGCATTGTTCCACATAACCTGGTAATCTG
AAGGCACAGGGGTCTATGTCATCCCTGGGAAAACACCAAGTCATAATAAGACAGAGCTACC
TTGCAGCATCCAGGTGTTGTGCCAAACCTTTACATGCCTTATCCCATTCACTACAG
CACTCAATGCAATTAACATCTCTCACCATTACAAATGAGAAGACTATGAAACAGACAGA
[T, A]
TAACTAATTTGACCTAAGTTACCCCATCCAATGACAGAGCTGGGGTTTAAACCAGCAAAT
ATTCGTTGTACCAACTATTAGGAATTTGGAGTAAGTATAGAAGTTAATGTAGAAGTTGGT
AAAGGAGAAGAAAAGGAGATTCTTGGGACCTAAGTGACAGCTCCAAAGTGTGTGAAAATG
GACTATGAGCTGATGATTTAAATCATGTTTAAATCACAGGGCTACATTTTCACTTACT
CTGTGGGATTTAAATAAAAGTAAAGCTAAAGCTAGAGTTAAATAAGAAATCTGCAATAA

211364 CATCCTGAAATAAGCATGTACGAAAGAACTCTAGACTCACATATCCAGTCTGCCTGGGAG
TAGGGTTAGGAGTCTCTAATAGACATCCTGAAATAAGCATGTACTAAAGTTAAGCCCTC
ATATACTTACCCTCAGTCCAAATAGCTCCTCCTGAGCCAACCTCGACTGACATCCTTT
CACTCACATTATATCCAATCCATAAGCAAAACCTATTGGCTTGACCTTTAAAGTATACT
TGGAATTTGACCACTACTTACTACCTGCATTCTACTGCGAAAGCCATCATCACCTTGTC
[G, A]
TAGCTTCTTACTGGTCTCCTACTAACCCTCCCGTCTCATTCAAAGCAAAGAAAGGCTTTT
CAGTACTTCATCATCATCACCTCACTAAGCCCTCTCTTCCATCAACATGAGAATTGTCC
TCACTCACTCCACCCTTCCAGTTTCTGGAACACACCAAGCATGTCCCTGGCTTTGGGAGC
CTTGAATGCTCTTCCCACCAGATACACAAATGATTTGCTCCCTCCCTGTCTTCAAGTCTC
TGTTTATATGTCATCTTATCAGGGAGGACTCTGACCACCTTATATGAAATAGCTTTCACT

211561 AATCCATAAGCAAAACCTATTGGCTTGACCTTTAAAGTATACTTGGAATTTGACCACTAC
TTACTACCTGCATTCTACTGCGAAAGCCATCATCACCTTGTCGTAGCTTCTTACTGGTC
TCCTACTAACCTCCCGTCTCATTCAAAGCAAAGAAAGGCTTTTCACTACTTCATCATCA
TCACCTCACTAAGCCCTCTCTCCATCAACATGAGAATTGTCTCACTCACTCCACCCT
TCCAGTTTCTGGAACACACCAAGCATGTCCCTGGCTTTGGGAGCCTTGAATGCTCTTCCC
[A, G]
CCAGATACACAAATGATTTGCTCCCTCCCTGTCTTCAAGTCTCTGTTTATATGTCATCTT
ATCAGGGAGGACTCTGACCACCTTATATGAAATAGCTTTCACTGGACTGAGAATCCCTC
TTTCTCTCCTACTTTATTTTCTTCCATAGTCTTTATTGCCGTCTGAGTGGCCACTATTG
CTTATTCTTTTATGGCCTGTCTCCCTCTGCTAGAATGAAAGCCAGTAGAGCAGATATTCT
ATTTTTTTTCACTGCTATATTCCCAGCACCTTGAACAGTGTTTATCACAGAACAATACT

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212346 TTCTAGAGATTGACTTTTCAGCCATGACCTGGAGGATGGAAAGGAGCCAGCCCTTGATGG
GACAAAAGGGAAGTGGGAGAAGAGTGCCTCACAGAGAGGGAACAGAGAGTGAGGGAAGC
TCCAGGTCATGAAAACCTGGGCGCGTTCCAGAACTGCATAGTGAGCAAAAAGATCATAG
TGAGCAAAAAGATCTTGGGGATGATAGAGATATCTTTACCTTGCTTTAGGTGGCATATA
CACAGGTGTATACATTTTGAAAACCATAGAATTGTACCCTTAAGATCTTGCATTTAC
[G, T]
ATGTGCAAATTTTATCTCAATAAAAAATAATGCATCATTAATAATTACATCAAAAAAGAA
AACTACAAAAAACTACAACAGAGTTGCAATATTCATGTAGATAGATGAGCTCTATAGG
TCTGCAGCCTGCATTGAGGCCACTTCTGGCTGCTTGTGGACAGTGCCTGGCCACAGCTT
CAAGAAGGTCTGGATACACTCAAATGAAGCCTCTCAGGAAAAAAAACATGGGTCCAGA
GTGACTCTGGGTGAGGAGGAAGAGGAGGGTTTTGCATGATTTGGTGGGATTTACTT

216030 GAGGAAGGAGACTTGAAGAACATTTAAGTTTCATCAACAAAGAAGCCGTTGTTATTTTCAC
AGCATTTGAAAATCTGGCTTCCCAGCACTTGGCTGAGATGACTGAAGGCTGGTGACACTG
TAATTTGGCATCTAGCAAGATGCAGTTACTCTCTCAGGCCACTTAGCTCCAGTAAAGTTC
AATTTAAATTATGAAACAGGGAAGAAATGCAAAAGTTCCAATCAGCAGCATAATTCTCAA
TCACACTGGCCATAATATGCTCCTGAAAGATGTTTTCTTTGACTGAATCTTTGTACGCC
[C, T]
GGCTGATTTTTGTATTTTTAGTCAAGTCGGGGTTTGACCATGTTGGCCAGTCTGGTCTTG
AACTTCTGACCTCAGGTGATCTGCCCACCTTGGACTCCCAAAATGCTGGGATTACAGGCG
TGAGCCACTTGCCCCAGCCATAAATCTTAATTTTCTTAGTATAACCACAAACCTGAAA
ATAATTAATACTTTTCCCAGATCATTAGGATGCTGTTTTGGATTATTTCAAGCCTGCTTG
GTGGAGGACAAATTTATTTGTATTGAAGACAATATTTTAAATCAAATACAGTTCTGTGA

216597 AAGACAATATTTTTAATCAAATACAGTTCTGTGATTTCCCCAACCGTTATGGGGGAAGTC
TGACTCTTAATGAGGGTTAAGGTAAATGACGAGTGGTATTCTTAGATTTAGCACTCCTTG
AAGACCATACATTTCCAAAGAAGAGCTAGTTGTTCTCCAAGGGAAGAAATGCATTAGATT
TCTGCTGTATTGACTAAATGTAAATTGAATAAAATATTTCTTTTATTCTAATAGCATTT
ACTATGTTTTATAGATTTAATATGTATTTATTATAGATAATTTGGAAAAGACATAAGCACA
[C, G]
GAAGGAGACAATAAAGATCACTCATAATTTAATCTTTTAGTCAAAACCACTGCTAACATT
TTTTTGTATGTTTTTGCCATGACAGATAGAGCAATAAATCTAGAGATTGTTATGGAGAGA
GTGATGTAGATATACATAAAGTTATTTTTCTTTTTAAAAATAGGATTATACTGAAATAAT
TTTGGAACCAGATTTTTTTTTTCGCCTAAATGTAGTAAGAACATTTTCCATGTTATTAAG
TATCCTTCTACCATACAGGGAATAAACATTTCTCCCTTATTTTGACAGGACAGTGATA

218212 CTTAGATTAGATGACTAATTTTCAATCTAGGCTCCTTAGAGACCTCCAGGATGAGGGGTT
GGTGGTACTAAGCAGCATGAGAACAGAAGCTGTGTCTGTACTGCTCATCTCTATTTTTCC
AGAGTCTAACACTGTGTCTGGTGACAGAGGCTCTTTAAAAATATTTTAAAAATATTTGT
GGTCGAAGGTGGTGGCTCACACCTGTAATCCCAACGTTTGGGAGGCTGAGGTGGGAGGA
TCACTCGAGGTGAGGAGTTTGAGACCAGTCTGGGCAACATAGCAAGACCCCGTCTTAAC
[A, C]
AAATTTTTTAAATTCAGCCAGGCATGATAGCCTGTGCCTGGAGTCCTAACTCCATGGGA
TGCTGAAACTAGGAGATTCTTTGAGCCCAAGAGATTTAGGCTGCGGTGAGTTGTGATTAT
ACCACTGTACTTCAGCCTGGGTGCTAGAGTGAGACCCTATCTCAAAAATATATATTATTG
TTATAATTTCTATAAAGTAAAGGGGTACAGTGCAGTTTTCTTACACAGATATATTGCACA
GTGGTAAAGTCTGGGCTTTTGGTGAATCATCACCTGAATATGGTACATTATACCCATTA

225907 ATCCGGGGACAATTTAAGCTTAAGTATGTCAGAGTATAAGCTTTTTCACTTCAAAATGAA
ACCTCTGTGAATTGAACTAGGCTTTACTCATGCTCATTATCTGCCTAGGCACTTTGGTAA
TGCCAGGTGCCCTGCAGAGCATGTCAAGATATGTATGTATCTTCTACAAACATCTTCAAG
AGCTTCTTCTATCTCTTAACCAGAGAAGAAAGAAAAACAGACATACACATGTCTTTCTG
GTAATTTCAACCAAGAAATTTTAACTTCGAAACCCTGAAAATGCTGTGTGTAGTGGCTT
[-, G]
ACCCCATTCCTGACCCCAATTTAGTTTGAATTCCTACTTGGAACAGGGACAGTGATATTTT
TCTTTCTTACATCACAGATGAGTGGACTTAATGAATGAGTTAGCATTTGTGTGGCTTCAG
GAGATCCTGAAGATGACTTTTTGCATTTCAAGTTCAGTGTATTAGTCTCCTTTATAGCAT
CAAGGTGAGATTAAAGCCTTGAGATCAGTATTTTCACTTGGGCATGCATCTGAATTA
CCTAGAGGGCTTAAATACAGGTTTGGTATGTGTCCAAGAATTTGTATTTCTGACAACTT

229343 ATACTCAGTTGTTTTACACTTCTGAGCTTTCACACTGCTTGATCCTTTCTAGAGAATGCT
TCCCCTCCCGACTGCTTGGCAGCTCTACTTCTATCTTTCTATTTCATTCAATTAAGTGATTA

FIGURE 3, page 133 of 141

TTGAAAAAAGTTGTATGCCATACTATGTGTTGGCCTCTGAGAATATTTCACTGAACAC
AACCTTGGCCTGCCCTCACAAACACCAGAATTACAAACCTTCTACTTCTCTGTAAAGCTT
TCCTTGGGTTGCCAACTGATTAGACCATGTCCAAATAAGGCAAAATGCCAGCTGTAACCA
[G,A]
TAAAGCTGGTTCATACCTCACTTCCATTTTCTATCGATAAATGCTGCTTGCCTGCAGAA
TAGAGTTCTCCAAACCTCTTGTGGTCTGAGGGCTGTCCAATTCATAAATCATCTTTGC
TTAAATAAACAGTTAAATTTGTCTCCAAAGGCTGGGAAGGAGAGAAGAGAGGAAGATAAG
AAGAGATTGGTCAATGAGTATAAAGTTAAAATTAGATAGGAGGAGTAAATTTCCGTATTC
TATTGCACAGTTGGGTGACCGTGGTTAGCAATATCATATTGTACATTTCAAATGGCTAG

230880 GTGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTGTATTTTTTTGTAGAGATGGGGTTTT
GCCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCT
CCCAAAGTGTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGC
AGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCGGC
ATTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAGTAAAAGATTCCCCTTACAAG
[G,A]
GAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTT
GTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGT
CTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCTAAGGAGTACATGATACCAGGT
AATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAGTGAGAGCTACATGCTTCCCCC
GCAATTGTGAGGATTACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAA

230881 TGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTGTATTTTTTTGTAGAGATGGGGTTTTG
CCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCTC
CCAAAGTGTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGCA
GAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCGGCA
TTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAGTAAAAGATTCCCCTTACAAGG
[G,A]
AAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTTG
TAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGTC
TTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCTAAGGAGTACATGATACCAGGTA
ATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAGTGAGAGCTACATGCTTCCCCG
CAATTGTGAGGATTACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAA

231039 AGCCAAATTCATCTTACTGGCAGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAG
ACTGGTAAGTTAGTCTTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAA
GTAAAAGATTTCCCTTACAGGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTAC
TATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAA
GGAGAGATGGCCCTTGCGGTGTCTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGC
[T,A]
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAG
TGAGAGCTACATGCTTCCCCCGCAATTGTCAGGATTACATTCTAATGAAAAGTGAGAAG
GCATCCTGGTGGTAATGTAACTAGTACAACCCTATGGAACACAGTATGGAGATTCCTT
AAGAAGTAAATGTAGAACTACCATTCAATCCAGCAATCTCACTACTGGGTATCTACCCA
AAGGAAAAGAAGTCATTATATGAAAAAGATACTTACACATGCATGTTTATAGCAGCGAT

231100 CTGGTAAGTTAGTCTTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAG
TAAAAGATTTCCCTTACAAGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACT
ATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAG
GAGAGATGGCCCTTGCGGTGTCTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCT
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAG
[T,A]
GAGAGCTACATGCTTCCCCCGCAATTGTCAGGATTACATTCTAATGAAAAGTGAGAAG
CATCCTGGTGGTAATGTAACTAGTACAACCCTATGGAACACAGTATGGAGATTCCTTA
AAGAACTAAATGTAGAACTACCATTCAATCCAGCAATCTCACTACTGGGTATCTACCCA
AAGAAAAGAAGTCATTATATGAAAAAGATACTTACACATGCATGTTTATAGCAGCGATT
GCAAAAATATGGAACCAGCATAAATGTTTCATCAACCAATGAGTAAAGAAAATGTGGTATA

231711 CACCATGGAACACTACTCATCCATAAAAAAGAACAAATAATGGCATGCACAGCAACCTG
GATAGAGTTAGAGGGGCCATTATTCTAAGTGAAGTAACCTCAGGAATGGAAAACCAACAT
CATATGTTCTCACTTATAAGTGGGAGCTAAGCTGTGGGGACACAAAGGCAGAATGATATA
ATGGACTCTGGGACTCAGGGGGAAGGGTGGGAGGGGTGAGGAATAAAAGACTACACAT
GGGGCACAGTACACACTGCTTAGTGATGGGTGCACCCAAATCTCAGAAACCATCACTAA

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[C,T,A]
 GAACTTATCCATATAGCCAAAAACCACCTGTTCCCCAAAACTATTGAAATAAAATAAA
 CAAAAATTTTAAAAACTTAAAAAAGAGAAGGAAGTACTGCTGATACACTTTCCTTAAGT
 ATTTGAATCAGTCTTGAAGCCAGATCAACCTCCTATTACAGAAAAGCAGGTTTGT
 AAAGCTAAATTTCTTCATGTTGGCAGATAAGAATAATAACTCCCCAACATTGGCTAG
 TGTCTCCACAGGGAAGCACAAATGAAAAAGTTAGGGTCTGGCTCCACAAATCTCATCT

232431 GAATTTCCAACTCCTTAACTCTTGTGTTTTTAATCATCTATAAAATTCAGGTGAATAT
 TTGCAGTGTGAAATAACCATAATAAAAAATATTTTATTTCTATCTTCTGGTATTTATCAT
 ATTTCTTATAAGTAGCAAGTTTGCTTTTCCCAAGTTGATCCACTTTTCCCACTATTTA
 ATTTTGGTGTAGGCAGTGGAGTCTTATTGATACACTGAGAAGCTGCTCCATGCAAAGCAT
 TGTGGTGGACATCATGGGGAGGTAGTGTAAATTTGCCTTGGGTCTTTGTAGCAATAATG
 [C,T]
 ACCTTTATATATAAGTTTAAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATT
 CTTTTTTTTGTGTCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAG
 AATCAAGATTCAAACCCAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCA
 GCTCCCTTCCCTACTGGAAAGCATTTGAGGTGTTCTCTCTAGACCATCTTCTTCTTTT
 CCTCTGTGCTTTTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCC

232503 ATAACCATAATAAAATATTTTATTTTCTATCTTCTGGTATTTATCATATTTCTCTATAAG
 TAGCAAGTTTGTCTTTTCCCAAGTTGATCCACTTTTCCCACTATTTAATTTTGGTGTAG
 GCAGTGGAGTCTTATTGATACACTGAGAAGCTGCTCCATGCAAAGCATTGTGGTGGACAT
 CATGGGGAGGTAGTGTAAATTTGCCTTGGGTCTTTTGTAGCAATAATGCACCTTTATATA
 TAAGTTTAAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATTCTTTTTTTGT
 [G,A]
 TCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAGAATCAAGATTCA
 AACCCAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCCAGCTCCCTTCCTA
 CTGGAAGCATTTGAGGTTGTTCTCTCTAGACCATCTTCTTCTTTTCTCTCTGTGCTT
 TTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCCACAGGGTTGACA
 ACAACTTCTTTGGCAGTGGCTTCTGCCCTGTACCAATAAAATCAATTCTCTGAAAGAGCT

233364 AGTGATGAAGGCCTGACAAGCCTTAGCCAAACCCTCAGAGAGCTCCAGTCCCATGGGTGT
 TGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGGT
 TGCTACTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTCCTG
 AAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCCTTCA
 AGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTTGAGGTGAGGCAGT
 [A,G]
 CAGAGACTACCCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCACTA
 TTGTACAGGAGAAGCTCAAGGAAAAATCTTCACCAAGTTTGTGTGAGCTAAGCCTCTCA
 GCAGAGTAGAGCAGCTTTCACAGTGCCCTGCTGATTACAGCCCCTCATAATAAGTCATG
 GGGCTGTCTGAGAGGTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAATTT
 CAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGAA

233423 TTGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGG
 TTGCTACTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTCCT
 GAAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCCTTC
 AAGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTTGAGGTGAGGCAG
 TACAGAGACTACCCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCAC
 [C,T]
 ATTGTACAGGAGAAGCTCAAGGAAAAATCTTCACCAAGTTTGTGTGAGCTAAGCCTCTC
 AGCAGAGTAGAGCAGCTTTCACAGTGCCCTGCTGATTACAGCCCCTCATAATAAGTCAT
 GGGGCTGTCTGAGAGGTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAATTT
 TCAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGA
 AACTCGTTATTTGGTTGTGGCACTTCTATGGGATGTTAGAGCACTCATTTGGGAGTCAGG

251180 CTCCACAGCCTTCCCCATTGTTACATAAGCAAAGGCAAGATCTAGTTAAGAAAGAACCTT
 CCAGCTCAGTAAGTAGTGCCTGAAGGCTTACTTAGTGTGTGACAGTTTAAAGGATATCAGG
 CAAATGACTTTGTCTCTCTCTATGAAGAAGTTGGGTGGCAACACACCTGGTGATCATG
 CTGCCATCCTTCTCCAAGTTCTCTAACTGGGGGCCCTGGGGCTTTGTAAGTATTAATAT
 ATGCGATGTCAGGCATAGAGTAGACCCTAGCACAGTGGTCAGAAGGGAAGATGCAGGGGG
 [C,A]
 AAGCTGCTGGGATTTATATCCCTCCTTGCCACTGACTAATATGTGTCTTGGACAAGTTA
 ACCAACTCTTTGGGCCTCAGATTTCTCATCTGTGAAGTGGGACTAATAATGATTTTTTGC

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CTCATAGAGTTGTTGTTAGGGTGAGTTGAGATAATGTATGAAATGCACTAAGAATAGTTT
ATGGCACATAGTAAGTGCTCAGTAAATGTTAACAACCTTAGACTCTCAATATATGTGTGGT
TGCTTCACTTTGAAATCCCCAAGCCAAGTGTCTGAAGGTGTTGACATGTGTTGTGATG

251291 GATATCAGGCAAATGACTTTGTGCTCTCCTCTATGAAGAAGTTGGGTGGCAACACACCTG
GTGATCATGCTGCCATCCTTCTCCAAGTTCTCTAACTGGGGGCCCTGGGGCTTTGTAAG
TATTAATATATGCGATGTGAGGCATAGAGTAGACCCTAGCACAGTGGTCAGAAGGGAAGA
TGCAGGGGGCAAGCTGCTGGGATTTATATCCCTCCTTGCCACTGACTAATATGTGTCCTT
GGACAAGTTAACCAAACCTTTGGGCCCTCAGATTTCTCATCTGTGAAGTGGGACTAATAA
[T, C]
GATTTTTGCTCATAGAGTTGTTGTTAGGGTGAGTTGAGATAATGTATGAAATGCACTAA
GAATAGTTTATGGCACATAGTAAGTGCTCAGTAAATGTTAACAACCTTAGACTCTCAATAT
ATGTGTGGTTGCTTCACTTTGAAATCCCCAAGCCAAGTGTCTGAAGGTGTTGACATGTG
TTTGTGATGTTTATACCTGAGGGCATTGGTAAGTGAAGCAGCTGTTGTTAAGACATGC
ATGTAGTATCTTTTAGCATGCGAAAAGTGCTAGTGCCAATTCTCTGAGAAAATGCCATG

256969 CTAGATCTCATCAGGAACCTCTAAAGAAGCCTCTTAATTACCACAGGCCTTTTATGTACCT
GGCATCATGCTCTGGAACCTATTTGTTTTTCATTTGGTAGCCATAAGTACAAACCAACTCA
CCTTAGAGATGCAGAAGCTGTGATTCAAGAGGTTAAGTTAAACACCCAAGACCAAAGCT
GGCTTCTAGGGTTGGTCTGTCTGCTGTCTATTTTTATGCCCTTTCACATGCTTTTCTGAA
TTGGCAGGTATTGGTATTTGTATTTTGACAGCATCTCATTTCTGAGCTCAGGCTATTAC
[-, T]
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATCACTAGAATGTACTATTTTACTATTT
CAAGATTTCCAAGTGCTTTTATGAACAAAGCTCATTCTGTTTCACTGATTGAAGTAACCTT
TTAATGGAGAAACAGATGCAGTGATGGTTCTTTTCTCATTCCCTTTTCCAAATCTCATTGA
AAAAGTGCTAGTTGTACCTCCAACATTCCCTTTTAAAATAAAAGGTCAGTATCAGGCAG
TGTTTCTGAAGAACTGCTGATTGAAATCAGCATTTCAATTTCAAACAACAAAAGTTTG

260787 AGCCCTAGTATTGCCCACTCCATATGAAATAGCAGTTTTTTCTGTCCATCTGTGCCAT
GGAAGCTGGACTGCAGGGAAAGGTAATCTCATAGGAGCAGGCATGCTCTTTGGTGCAGCC
AAGGATTGTTTCAGCAGACACAGAGATCCCTGCCTCCAGAACAGAGGTAAGGGTGTATCA
TGGGAATGGGACCCATGGCCACTTTATCTGTTTCAAGGATGGTCCAAAGATGTTTCTTT
GTTTGTGTTGTTTGTGTTTTCAGACAAGGTCTCACTCTGTCTATCCGGGCTGGGGTGCAGTGGT
[A, G]
TGATCTCAGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGCAATCCTCCCACCTCAGCCT
CCTGAGTAGCTGGGATTACAGGCATGCGCCACCACGCCTGGCTAATTTTACATTTTATAG
TAGAGATGGGGTTTCGCCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATC
CACCTGCCTCGGCCTCCCAAAGTGGTGGGATTACAGGAGTGAGCCACTGCGCCCTGCCAA
AGATCTTTGTTTCAAGCCTACTTGTATCTAAGATTTTTAAGGCCCCGGGGATATCTGAAT

261903 TTTGTCCTGAGTGTGTTCTGATTTCATGCTGTTGATTTCAATTAAGGATATGACAAGAAA
TATTGTCACCTTCTGTATCATGCCATGTTTTCAGGTCTTCTCCTCCACATTGCAATGTT
CTCTTTCTCTGCTGCCTTAGTATCTGGGAAGCTGTTTTTCTGAGTAGCAGGTTTGTGTTT
TAATCCTAGGGTTTGAAGTTGGTGAGCATACTGATCATCTTTTCTGCTTTGGCCACTAGGA
ATCATAGAATCAAATTTACCTCTGTCTTCAAGATTATATGGTATGCATTTCTTTCTTTCT
[-, T]
TTTTTTTTTTTTTTTTTGGAGACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGG
GGTGATCTAGGCTCACCACAGCCTCCGCCTCCAGGTTCAAGCGATTCTCCTGCCTCAGC
CTCCTGAGTACCTAGGATTATAGGCATGCACCACCGTGCCTGGCTAATTTTGTATTTTGA
GTAGAGATGGGGTTTCTCCATGTAGGTCTGACTTGTCTCGAACTCCCGACCTCAGGTGAT
CCACCCGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCGCCCCGCCT

262224 ACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGGGGTGATCTAGGCTCACCACA
GCCTCCGCCTCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTACCTAGGATTA
TAGGCATGCACCACCGTGCCTGGCTAATTTTGTATTTTATAGTAGAGATGGGGTTTCTCCA
TGTAGGTCTGACTTGTCTCGAACTCCCGACCTCAGGTGATCCACCCGCCTTGGCCTCCCA
AAGTGCTGGGATTACAGGCATGAGCCACCGCGCCCCGCTATATGGTATGCATTTCTGTG
[T, C]
TAATCTTACTCTTAGATTATGACTTTCCTGACTTTATTTTTCTCTACCCTGATTTCAAC
TAATTAGTTTAATGTTTGTATAGTATAATATATGTTCTTTTAGGCTTCTCCTCAAATGCTT
TGTGAAATGCAAGGGTAGATAGTAATAAATAAATTCAGAACTATAAAACGGAGATTAAA
AACATTCCTTTCCCTCCAGATTAAAGCTACTCATCAGAACTCATCAGAAAAATCAGGT
GTATTAGTCTGCTCGGGTTGCCATAACAAAGTACCATAACCAAGTTGCTTAAACAACAGA

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263740 CACCAGCAGTTAAAACACAGGGCCTTTGATTGAAGCAGACAACTGAGTGAGTTTCCAGG
AGGTCTGAAGAAAGCCAACTCATTATCCAGGTCTCTGAACAGACAAATAATTATGAGACA
CTGAAATGTATTTTCCCATGCAAGTCAGAAATGGCTCAGCCTCTGTTTTGCACTGTAAAT
TACACTATTGGGCAGAGCCCTGTACAGTTCTTGGTCATAGACTTACCCTTGATGCCTGG
CAGCATGGGTAGGAACTGAGCTAATGTGTGGTCCTGACTTACATCAAATGTGTGCACC
[C, T]
TCACCAGTGTGAGGTCAAAAATGAGAGGCAAGAGGAATTTTACACATAGCAGGAGTGCCT
CTGCTGTTGTATCAGCTCGTAAGAGAAAAGAAGGCAGAATTATTTTGCAGTGTATTTGT
CAGCAGCAATGTTCTGATCTCAAGAAATGTGATGTTCTCCATGGTGAAAATCAGTGAAC
TAGCTGAGACTTGAGAGAAGCAGGGAGAATGCAGCTTACATAAGCCCAGGCTGCTACCCA
GGTCAGGGGTCTGTCTCCTTTGTCTCTTGCCAAAGTCATTGTTGACTAGACAATTGTCA

283403 TGGATGTTGAGTAAATTAAGGAAGTGGGTCTTTTGCCAGACAGCCTGAAGAATTCTATAA
ATAAACTACCCTTTTGTTCAGAAATAAGAGGGTAAAACATTTTATTTTAAAAGGCACTT
GAGCTCAGGAGCTTGAGATCAACCTAGACAGCATAGCAAGAGTCATTCTTACTAAAAAT
AAAAAGACAAATTAATCAAGCTTGGTGGCACATGCCTGTAGTCCCAGCTACTCAGGAGGC
TGAGGCAGGAGGATCGGTTGAGCTTGAGAGAGTGAAGCTGCAGTAAGCTATGATCATGCC
[A, C]
CTGCACTCCAGCCTGGGTGAGAGAATGAGACCATGTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAACAACCTGTAGATATGATTACATGATTTCTTATTGCATTTTCTAT
CGAAAAAAAAAGACACATGATTTAGACAGGATTCATTGGTTCAGTCCGATTCCCCAGCAC
AAAGTTTCAGTGCTCAATAAATAGCTGTTGGGTGAGTGAATAGATGAATGAATGAAATATG
AGGTCATAAAAAGTATTTATTTCTTATTGTACCCTTGAGTCTCCAAAAGTTTGCTCACTA

285709 TGGGTAACGTATCTTAGGAAAATGTTAGAACCTGCCATAGTTACCAGGTATATATAGAAA
AGCTCGGAAGGCAACCAGGCCACAGTCACCCAAGAAGACATGGGTTTGTCCATAAAATT
TGAATTGTCCAGAGAGGGCATGTAAAGCCAAAATGGGGAAGGGTGGAGTTGGATGAGGA
TGTGTCTATTGCCCTGAGATGTTAGGAGCACGGTCTTTAAGTCAGGGAGACTTGGACTCC
GATTTTCTTCCCACTAAACAATTTTATGATCTTGGGCAGGTTGCTTTACCTCTTCAAGG
[T, A]
TTAATTTAGTCATCTATAAAATGTGGATAACAATGCCTGCTTTCCAGGGTTGAAATAATT
AGATAACACGTTAAGTGATTAGCATAATGGACTCATGGAAAGCCATGACCTTGGGGCAAT
GGGGGAGTGAGGGTGGGATAATCATTGTAGACATGAGCCATTTTACAGATGAAACAAGT
ATCTTCTAAGCTTCAACATATGTACAGAGAAGACCTAGAATCCAAATTTCTGAGAACTA
GTCAGGCAATTTATGTATAGTGTGGGTACCAGGGTGAGTGTGGGCTCCAGGGCTCCTTC

288934 TTTCTGACTCTAGTCTTCATGTTGTATATTACATCTTTAGACTATTTCATCCTACCTGCAA
CTGTGTATGCTTTGACTTACATCTTCCATTTAATCCCTCCCCCAACAGCCACCATTCT
ATTCTCTGTTTCTATGTGCTGTATGCAATCTGTTTTCTTTTTTTAGATTCCGATCATGCA
GTATTTTTCTTTCTGTGTCTGGCTTATTTCACTTAGCACAATGTCTCTAAGTTCATCCA
CGCTGTCACAAGTGGCAGGATCTCCTCTTTTAAAGCTGAATAATATTCCTGTGTGTGTG
[-, T]
GTGTGTGTGTGTGTGTGTATTTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGC
CATGCTTCTTTTTTTTTTTTTCTTCACTTTTAAAGTTCGGGGTACATGTGCAGGATGTGC
AGGTTTGTACACAGGTAAACATGTGCCATGGTGGTTTGTGTGCACAGATCATCCCATCAT
CCAGGTATTAAGCCAGCATCCATTAGTTATTTTCTGATGCTATCCCTCCCCACCAA
CCCCGCAGGCCCCAGTG

288954 GTTGTATATTACATCTTTAGACTATTTCATCCTACCTGCAACTGTGTATGCTTTGACTTAC
ATCTTCCCATTAAATCCCTCCCCCAACAGCCACCATTCTATTCTCTGTTTCTATGTGCT
GTATGCAATCTGTTTCTTTTTTTAGATTCCGATCATGCAGTATTTTTCTTTCTGTGTCT
GGCTTATTTCACTTAGCACAATGTCTCTAAGTTTCATCCACGCTGTACAAAGTGGCAGGA
TCTCCTCTTTTTTAAAGCTGAATAATATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG
[-, T]
ATTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGCCATGCTTCTTTTTTTTTTTT
CTTCAACTTTTTAAGTTCGGGGTACATGTGCAGGATGTGCAGGTTTGTACACAGGTAAA
CATGTGCCATGGTGGTTTGTGTGCACAGATCATCCCATCATCCAGGTATTAAGCCAGCAT
CCATTAGTTATTTTTCTGATGCTATCCCTCCCCACCAACCCCCGACAGGCCCCAGTGT
GTGTTGTTCACCCCTGTGTCCATGTATTCTCATTATTCGGCTTCCACTTGAAGTGAGA

292710 TGCCAAATGATTTCCATACTCCACAAAGATTTTAAATATAATCAATTTTTTCTAATGTG
ACTTGTTATTAAGTCATTTATTTAACAACTTTTACATTTGAAAGAAAATACTTATTA

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ATGCCTACTGTGTGCTAAGCTCCCTTGGCACTCACTAGGCACATCATTACAAATAAGCAT
GATTCTCTACTTTACTACTCAAAGTGTGATATTGGGCTGGTATGGGAAAAACAGACATTGA
AACACACAATTACACTGTGATGCAGTTCAAGGCTGTCATAGAATTATGCCAGAGTGCCAT
[G, A]
GAGACTCAGCATGCTTATAGTATGATTGTAATAATTAACCAAAAAGGGACTACTTTGCTT
TGAAATATTCAAATACTCTCCACCTTCCAAGTAGAGTGGTGGTAACTTGGTGGTGGGTC
TGTAGGGGAAATATCTTCTTCTTACTCCTATCAGAGTTTACCTGACTGTGACAAGGAA
GTAGAAAAGAACTTGGCCTAATTTTTGGTGTCAAAGTCTAGCACCATTATATCTACCT
TTCTTTCACACATGCAAAAAATAATCTCCTTCAAGGACACATACATTATCTCTGAATCT

295600 TCACAATAGCAAAGACATGGAATCAACCTAGGTGCTCATCAGTGGGGGACTGGATAAAGA
AAATGTGGTAAATATACACCATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGT
CCTTTGCAGCAACATGGATGCAGCTGGAGACCATTATTCTAAGCAAATTATTGTAGGAAC
AGAAACCAGATACCACATGTTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGA
AGAGAAGGGGAAAGTGTGAAAACTGTTGAGTACTATGCTTGCTATCTGGGTGATCGGG
[G, A, C]
CATTCATATCCCAAACCTCAGCATCACACAATATACAGTATACCCATGTAACAAACCTGC
ACATGTATGCATGCCCCCAAATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGT
TCATAGTTGTAACACTTTCTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATC
ACTAATCATCAGAGAAATGCAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATG
AAGAAGTTGGGGTCTCATTAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAG

295679 CATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGTCTTTGCAGCAACATGGAT
GCAGCTGGAGACCATTATTCTAAGCAAATTATTGTAGGAACAGAAACCAGATACCACATG
TTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGAAGAGAAGGGGAAAGTGTG
AAAACTGTTGAGTACTATGCTTGCTATCTGGGTGATCGGGCCATTATATCCCAAACCT
CAGCATCACACAATATACAGTATACCCATGTAACAAACCTGCACATGTATGCATGCCCC
[T, C, A]
AATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGTTTCATAGTTGTAACACTTT
CTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATCACTAATCATCAGAGAAATG
CAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATGAAGAAGTTGGGGTCTCATT
AAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAGATTCTGCATGTCTAAGCAG
CTCACATGTGATGCAATGCTGCTGGTGGGATCACGTTTCCTTGAGGCTTCAGCAGAGCAT

296323 ACCCTGTGGGTACATACTGAGCACTGATGAAGAGGCCCCGCTCCCTTCATTGTCCTT
GCTCTCTCCTTGTGTAATCTTCTCTTCTGTAATGGGATTAAACAAACCCATGTAGAGA
GTCCACTGAATGGCAGAAACCTTAGACTTTCCAGTTAGAGGAACTTTGGAGATTATATGA
TCTAACTTGTTCCTCTCTCCCTGCATCACATCTTATGTCTGAAAGCCCATGCCTGAGAT
CCTACTCACTGAGTGTGAGTTGTTATTCTCATCTCATTCCATCAGACCTAAGAAAGCTT
[T, G]
GCAGAATAAGGGCCTCTTGCAATGTTTTCAAATACGTGGAAGTAGCTAGGACAAACAAA
CAAACCATTTGCTCAAAAATCACTCAGCAAAACCCACCTTAACGAGGAATTTCTCTTTTG
GCTTCAGAAAGCAATTAATAAACTCAGCATTCTAGGCAAAAAGCTTTAGCAGTTCCCT
CTTGTTCTTTCTCACCACAGCAGGTGCTAAAGCACAGCTCAGTCTTGATTATCCCTTCT
GTCAAGAGCAGGTGTCAGCTCAATTATTGTTTTGCAATTCATTTAGTCATTTAATGC

299119 AATATAACAACCTTATGATAAAGTTGGGATAATCATAAAAAAGAGATTGCATACATTTGTT
TGCAATTAGGAACAGTCACCATAATTTAGTGGTAGCAAAGCTAATGTGAATTTGAAATC
TTCTTACTACCTGCTGCAATTACAATGTACAAACATCAAAAAACAAAACAAACTTCC
AGTGACACACTGGTGAAAGAACCAGTGTGAGTACAGTCTCGAGTTGTTACTACTTA
ATTGCTATTGTTATTTATTTAAATTTATACTGTGTGAGAAAAGTGTATGAAAACATA
[C, T]
AGTTAGCTAAAAAGTTGTGATTGGATGCCAGATTGATAAATGAGCAGTTTACTCTGCAAA
TAAGTGCAAACTCAGCTATGAGCTTTTCAAGTGGTCTAGACAAACAGAGAAACCTGCCTAC
TAGTTTCTTAGTAGACAACCTTATGATAAAGTTGGAATTGTGATGAAAAGACATTGCACA
CATTGTTGTTGTTGTAGATTAGAAACAGAAGCTCTAATCTACAACCTCTCAGTAGGAGAGC
TGGATTTTCTTGCTCTAAATTTTGGGGAAGAATTAATCACAGAATCCTTATGTAATG

300404 TTTTGGGAAAGTGATTAAGTCATGAGGGCAGAGCCCTCAGGAATGGATTAACTTTAC
AAAAGAGGTCTCAGAGAGATAATTGCCCCCTTTTGGCCGTCTAAGCTTTCTTCCCTCCA
GAGGACACAGCAAAAAAGTGCCATCTTGAAGCAGAGGGAGCAGCTCCCACCAGACAGCA
AATCTGCTAGCACCTTGACCTGGACCTTGGACTTCCAGCCTCCAGAAGCTCTGAGAAATA
AATCTAATATTTATAAATTACCTCTTCATAGTATTTAAGCAGCACAGCAAACTAAGA

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[T, G]
GCCCTGCCTTACCTGGGATTCCACAAGTCTCTGCCAGATGGCCCCAAGCCCATTTCTACA
GTCTGTGAGCCTCTGCCTTGGTTCCCTTTGTCTGTATTGTGAGTTGACAGACCCTGGGA
AGCCCAAGGGTGGTACACAGTGGCTGTTTGCAGAAGGTATGGATAAATATTAGACATAA
GGGCTGCAGTATCATATGTGTACAAGAACTTCCTCTCAATGGGAGTTGGAGCCAGGCTGA
GAAGAGACGGGCACAGGCCAGGAGACAGGGATCAGGGACCAAGGGCTGGCTTGCACAGC

303906 GTCTGGAGTTTAGGAGAGAAGTGACAAGTGCATATTTGAGAACCAACAGTTTAAGGGAGG
ATTTAAAGTCATGAACTAGATGACCCACCTTGGGAGAGAATGTGGATAGAGGACAGAAG
AAGTCTAGGGATCAGGGAGATATGGAGGAACAAGCATAGTCAAATCAGAGAAGATCATTT
TGGGGAAAATATTGGAGGACCTTGTTAAGTTTCTTGGAGTCTTCTTCCAATTTCTTAAAA
TTTAAATCATCTTATTGAAGAGTCTGTCATCATTTGTTACTGATTTTTCAGTTTTTTGGT
[G, A]
ATTGACCTAATGCTCAGATCCTTTCTTATCAATGACAGCACAAGATTCCAACATGGTTTT
CTTCACATAGTCCATTTTGTGTTGCTGTAACAGAACACCACAATCTGAGTAATTTATAAA
GAAAATAAATTTGTTTCTCACAGTTCGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGC
ATCTGGTAAGGGCCATCTTGCTACATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGA
GGGGAAAAGAGAGAAGGAAGGGGGGGGGGCAAAATCATCCTTTTATCAGGAACCCACTCC

304170 CTGTCATCATTTGTTACTGATTTTTTCAGTTTTTTGGTGATTGACCTAATGCTCAGATCCTT
TCTTATCAATGACAGCACAGATTCCAACATGGTTTTCTTCACATAGTCCATTTTGTGTT
GCTGTAACAGAACACCACAATCTGAGTAATTTATAAAGAAAATAAATTTGTTTCTCACAG
TTCTGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGCATCTGGTAAGGGCCATCTTGCTA
CATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGAGGGGAAAAGAGAGAAGGAAGGGG
[-, G]
GGGGGCAAAATCATCCTTTTATCAGGAACCCACTCCTACAATAACTAACCCTCCATAA
TAACAGCATTAATCCATTCATAAGGCAGAGCCCTCAAGACCAAATTAATTTCTTACAGGTC
CCACCTCTTAACACTGCTGCAATGGGAATTAAGTTTCCAACACATGAACCTTGGGGGACA
CATTGATGCACTATGTGACATCCTGCATCTGCAAGTTTTCAGTGCATTTTAAATGAAGT
CAGTTTACTTTGCACTTGCATTTGTGTTTACCCTGTCACAGCTCACCGGTAACAGAACT

304657 TGCACTATGTGACATCCTGCATCTGCAAGTTTTGCAGTGCCATTTTAAATGAAGTCAAGTTT
ACTTTGCACTTGCATTTTGTGTTTACCCTGTCACAGCTCACCGGTAACAGAACTCTTAGT
GTGATGGACAGAGATAGAACTAGCATTACAGCAAAGAGGCAGTTTTCAGGGTGGACTAAT
TTTATACACAACCATTTATCAGTAGATATTTTAAAGTTCTGATGCTTTAAAAATCCTTGT
AAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCCATTAAA
[C, T]
CATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTTAAAAATCAGAAGGAGGGCA
GCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCAGCGTGAGCGACGCAGAA
TACGGGTGATTTTGCATTTCCATCTGAGGTACCAGGTTTCTCTCACTAGGGAGTGCCAG
ACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGCGAGCAA
GGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCAAAGAAA

304771 CTTAGTGTGATGGACAGAGATAGAACTAGCATTAGCAAAAGAGGCAGTTTTCAGGGTGG
ACTAATTTTATACACAACCATTTATCAGTAGATATTTTAAAGTTCTGATGCTTTAAAAAT
CCTTGTAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCC
ATTAACCATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTTAAAAATCAGAAG
GAGGGCAGCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCAGCGTGAGCGA
[C, T]
GCAGAATACGGGTGATTTCTGCATTTCCATCTGAGGTACCAGGTTTCTCTCACTAGGGAG
TGCCAGACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGC
GAGCAAGGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCA
AAGAAAGGGGTGACAGACGGCACCTGGAATAATCGGGTCACTCCACCTAATACTGCGCT
TTTCCGACGGGCTTAAAAACGGTGCATAGGAGATTATATCCCACAACTGGCTCGGAGG

312311 TATGACATTCTGGAAGGCAAACTGAAGGAACAAAAACAGGTGAGTTATCACCAGGG
GTGGAGGGAGGACTTGGTTACAAAAGGATATGAGGGAATTTCTGGAGTGTGATGAAATTGC
TCTGTATCTCAGTTGAGGTGTGAGTTAGATGGCTGAATGAGTTTATCCAACTCATAGAG
CTGTACATTCAAAGAAGAAATTTTGTATATATATTTTTTTTATCAATTTAAAAATATA
TAAAAATAAAAGAGGGAATCCCAAAGATGAAATAAAAAACAAACATTCTGGGACTTAA
[G, T, C]
AGACTCTTTGAAAAACAAGTTTTCTTATTTTCCCTCCTTTCCCTGAGAAAGAATTAC
TCATGATTGAAAGCCCTTAAAAAGAATTTGCTTACTCAGATATTATTTTAAAAAGGAGTG

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AAATTCATGACTCACAAAGTGTCTATTTCTTCTGGCTTTTAAGTCATTTTTTACTTCAT
TTTTTCAACAAATAATTATCGATCACCTATAAGCAAAGAATGTCTTCCTGAGCTCTCACT
TATAATTGAACATTTAGAGCTGAAGGAATCCTTAGAAATCAGTTAGTCTACATTGCAGAT

313434 ATCCTTTAGGCTAATACATAAAAGGATGGATGACCAGAGGGTAAGAGCTGGTAAATCCCA
AAGGCGTGAGCAATGCAAATTGAGGGACATTCTAGCATCCAGATCATTGAAGGAACTAA
AGAGACATGACAAGTAAATGGAACCTCATGATTATTTGAATGCTTTGTATCAGGCAGTG
TTATTGGACAATTGGGGGAAATCTGAATGTTTCCATATACAAGATAACAGAATCAGATCT
ATTAATGTGAATTTCTGATTCTGGTGGCAGTTTTGTGGTTATGTAGAAGTGTTCATT
[T, C]
GTACAAAATACACACAAAGTATGAGTGGGGGACATTGGGGTAGCAACTTATTCTCAAAAG
ACTCAGGGACAAAATAGTTCTTTATACTATTCTGTAACTTTTCTGTAAGTATGGGATTC
AAAATTAAATAATATTTAAATATGAGGACATTTTAGATATTATCCTTATAAACTAAG
CAGCTATGGCTGTATTCTTTAGAGCCCTTATTAGATAGAGATAAATAATTAGAGGGTACA
CAGCATAGTCTATAATTGATGGGCAAATAAGTAGATGTGATAAAATGTATTTTTTATAA

313997 GCAAATAAGTAGATGTGATAAAATGTATTTTTTATAAATGAAAGGTAAGCACAGGAAGA
GGTAATAAAGGAATTTGGAGGATGAGAGATTGAGTTTGGAGGAAATGGGCAGGGGAGAGA
AGAAGAGCTTTCTGGTGTAAATAGTTTTTCATCAGCAAGGGAGTCAGCCAAACACGTA
TTCGGGATGTGACCCCAAGCAGTTCAAATTTTGAACATTAGGGAACCTTCCTTCAGGAC
TCCTGTGTCAAGGGACCATTATCCAGCCCAACGAGCACTGTCTGAGAGTCTGAAACCT
[-, G]
GACTCTAGTCCCCTATTTGTCCCAACTGCCAATTCAATCTTGGGCAAAAACAACCTGTAA
ATGAAGTATTTGACTAAAATGATGTTTGACAATCCCTAAAAAATTTAAAGGCTTTTGT
TTCTTGAAGAAATGATAAAATTTAGAAAGGAAATGCACCATAGAAAGAAATAGAAAACA
ATGAAAATATAAATCTTTTTATTTGAGATACCCAGCTAACTAAAGGAATAGTTCTTGCC
ACCCCATGTCCCTCTCTTTGAAAAGGAAACATAGGAACTCTTTTAAATTTGAACAGCACA

322343 CAGTTTCTTCATCTGTAAATAGGGATTTAAAAAATTGCCTCCTTCGTACAGCTGTTGTA
AAGTTAAGTGTGATTGAAAGGGCAAAGTGAGTAGAAAAGGACCTGGCAAGTGGCAAACA
AACTATTCTCCCCCTCATTTTCTCCTCCTCCTCCTCATTATTATTTGTTATTATTAA
CTATTCTGCATTTTATATCCCACCATCCTGTTTCCCTTTGTTCTACTAACTCCAGCCAC
AATAGCTTTCTGTTATTTTTCCAATATGTTTTCAGCTTAGGGCCAAAATCTTTTGCCC
[T, C]
TAGTATTTGTCTTACTTCTGAGAGCTTTTGTCTCAAATGACACTTCCTCAGAAGGATTTT
CCTGTCCGCCTCACCTGCTTTTCTTCATTGCACCTAGAACCATCTGATATCTTATGTG
TATATGTGTATATACATACGTTTATATATAACACATCTGTGTGTATATCTGTGTATTAT
ATATATATACACACACAAGGGCAGGACTTTGCCTAACTTGTCTACTGTATATTTCCAGT
TCCTTGAAGGGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAA

322893 GGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGG
GTGGAGATATTGTGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTG
TAAATCAATGATTTAAAGCACAATTTTCTGCAGGTGATCTTAATGTGTAACCTTTGT
AATCTTTGTAACCTTTTGGACAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTGA
AGAGGTCTATAATTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCG
[C, T]
GAGTGTTTGAAAAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTG
TACTTTGAAGAGCAGTTGCTGATCACGATGGGAAAAGAACCCTACTCTCCAGAACCATCTC
TAGGCAACTATCAAAAAGAAGCAGAAGTTCAAGTGGACAAATTTATGTGAAAATTCATTT
AACATATAAGCTGAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCCATCTTGAC
TTTCAATTCCTCATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCTATG

322905 ATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGGGTGGAGATATTG
TGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTGTAAAATCAATGA
TTTAAAGCACATTTTCTGCAGGTGATCTTAATGTGTAACCTTTGTAATCTTTTGTA
CTTTTGTGACAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTGAAAGGTCTATAA
TTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCGCGAGTGTGGA
[A, G]
AAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTGTACTTTGAAGAG
CAGTTGCTGATCACGATGGGAAAAGAACCCTACTCTCCAGAACCATCTCTAGGCAACTATC
AAAAAGAAGCAGAAGTTCAAGTGGACAAATTTATGTGAAAATTCATTTAACATATAAGCT
GAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCCATCTGACTTTCAATTCCTC
ATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCTATGCTTGGAGTCATA

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